


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU S-30-8-17							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)							
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825							
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-74869			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		1971 FSL 1996 FEL		NWSE		30		8.0 S		17.0 E		S	
Top of Uppermost Producing Zone		1477 FSL 1475 FEL		NWSE		30		8.0 S		17.0 E		S	
At Total Depth		1023 FSL 1029 FEL		SESE		30		8.0 S		17.0 E		S	
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1029			23. NUMBER OF ACRES IN DRILLING UNIT 20							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 784			26. PROPOSED DEPTH MD: 6588 TVD: 6588							
27. ELEVATION - GROUND LEVEL 5283			28. BOND NUMBER WYB000493			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
Surf	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G		138	1.17	15.8		
Prod	7.875	5.5	0 - 6588	15.5	J-55 LT&C	8.3	Premium Lite High Strength		317	3.26	11.0		
							50/50 Poz		363	1.24	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Mandie Crozier					TITLE Regulatory Tech					PHONE 435 646-4825			
SIGNATURE					DATE 06/08/2011					EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013508240000					APPROVAL <div style="text-align: center;">  Permit Manager </div>								

RECEIVED: Jun. 20, 2011

NEWFIELD PRODUCTION COMPANY
GMBU S-30-8-17
AT SURFACE: NW/SE (LOT #10) SECTION 30, T8S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1645'
Green River	1645'
Wasatch	6355'
Proposed TD	6588'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1645' – 6355'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. Casing Design: GMBU S-30-8-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,588'	15.5	J-55	LTC	4,810 2.29	4,040 1.93	217,000 2.13

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU S-30-8-17

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,588'	Prem Lite II w/ 10% gel + 3% KCl	317 1033	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

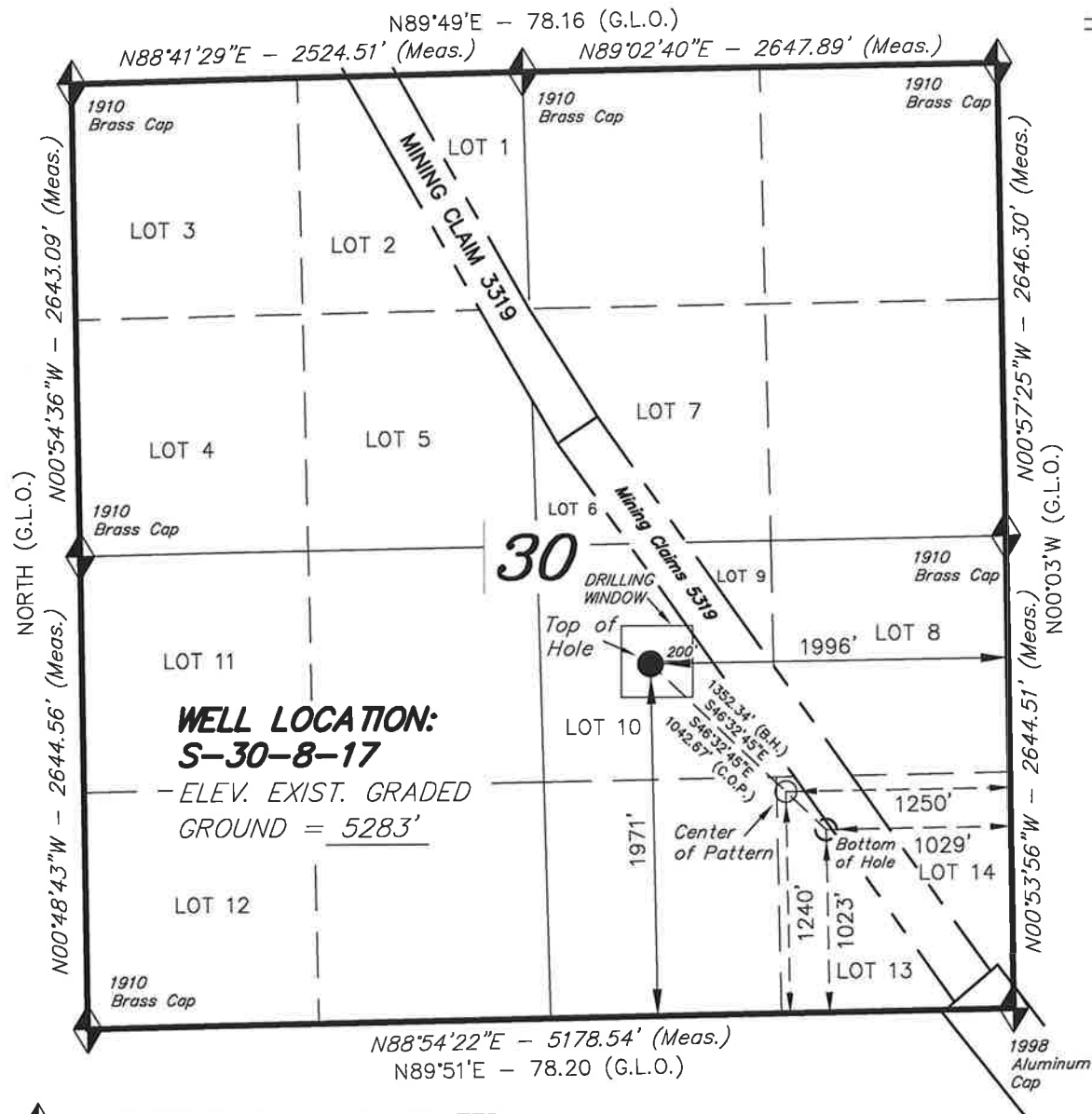
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

T8S, R17E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

S-30-8-17
(Surface Location) **NAD 83**
LATITUDE = 40° 05' 13.42"
LONGITUDE = 110° 02' 49.13"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, S-30-8-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 (LOT 10) OF SECTION 30, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

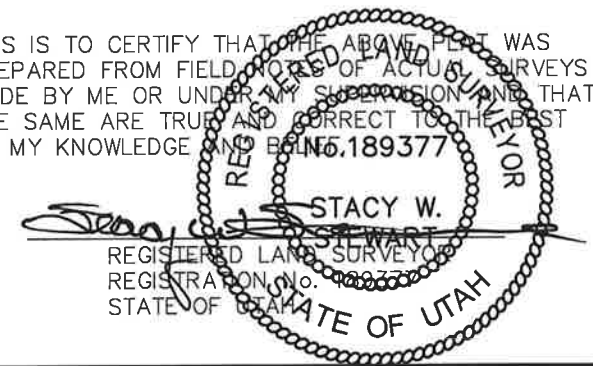
TARGET BOTTOM HOLE, S-30-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 (LOT 13) OF SECTION 30, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

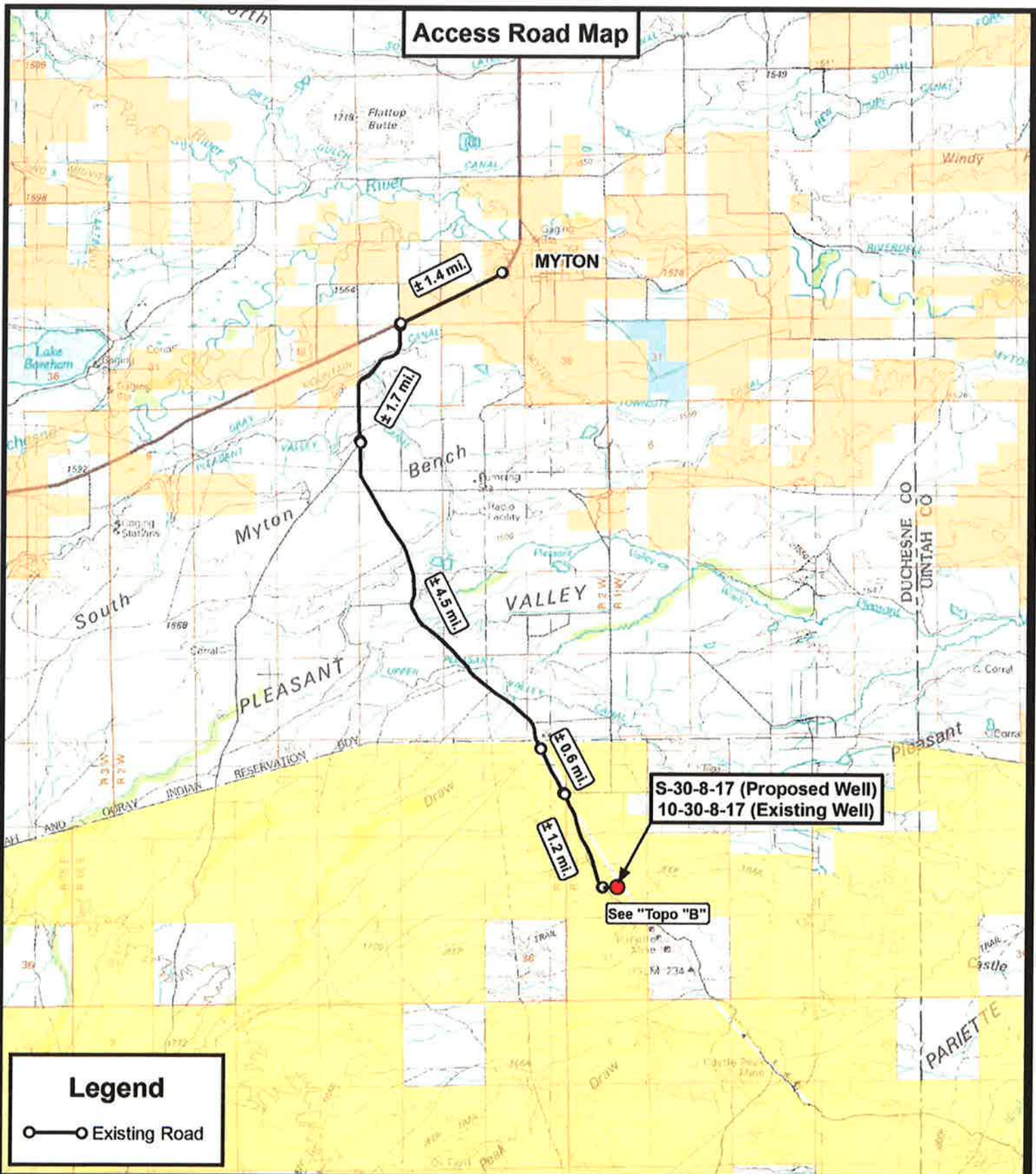


TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 09-29-10	SURVEYED BY: D.G.
DATE DRAWN: 12-10-10	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

Access Road Map



Legend

Existing Road

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

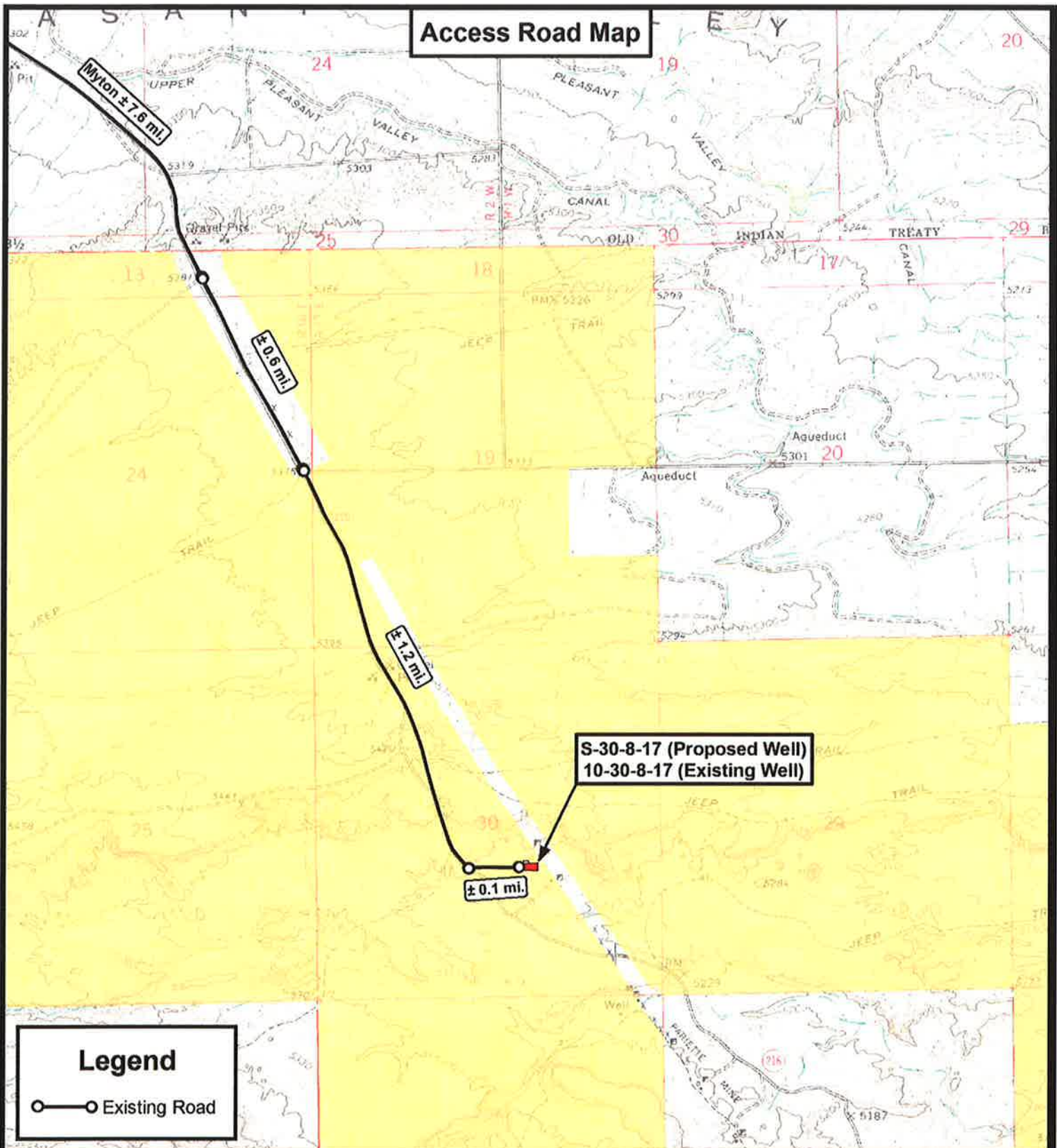
S-30-8-17 (Proposed Well)
10-30-8-17 (Existing Well)
SEC. 30, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: C.H.M.
DATE: 12-10-2010
SCALE: 1:100,000

TOPOGRAPHIC MAP

SHEET
A

Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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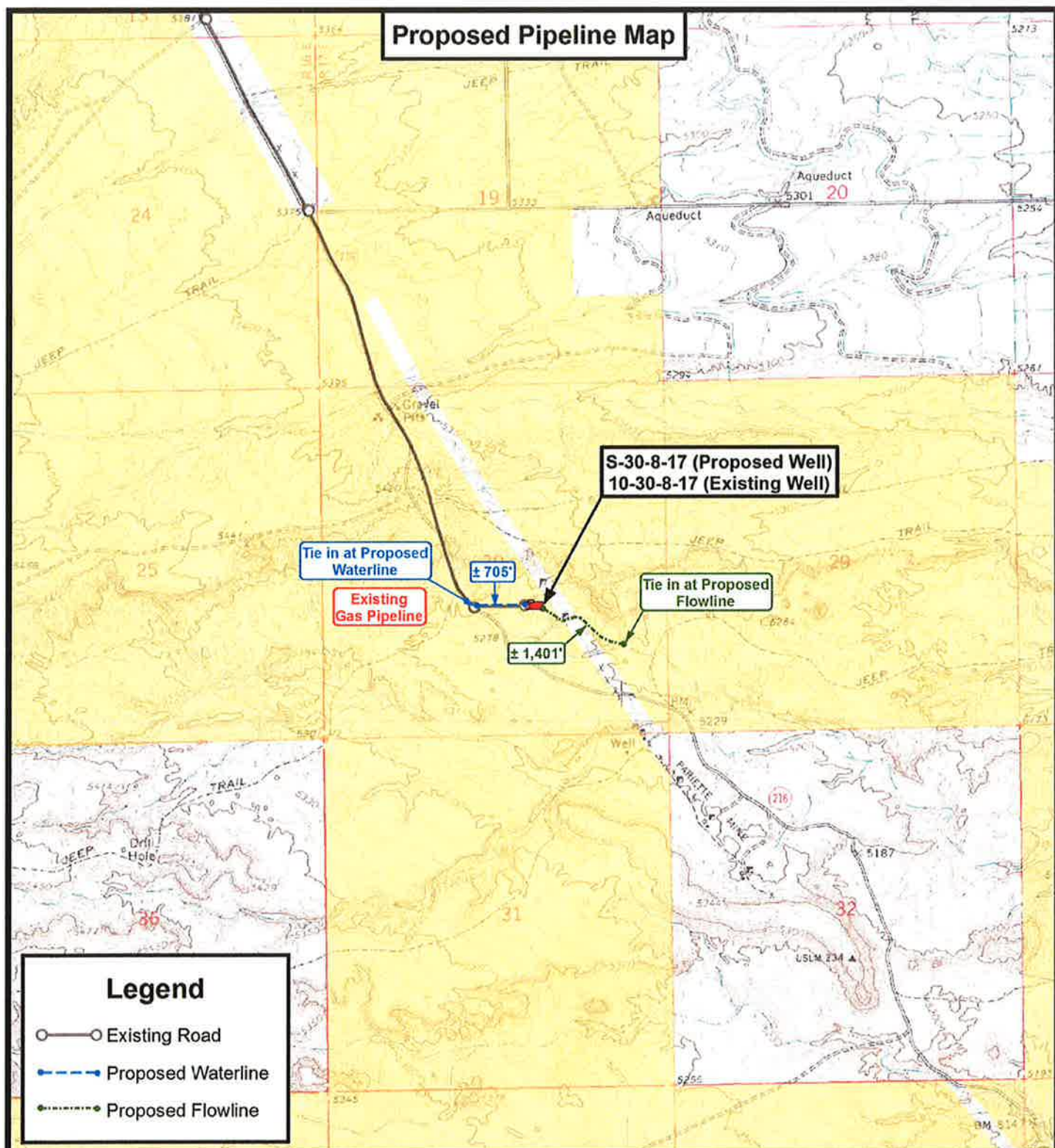
NEWFIELD EXPLORATION COMPANY

S-30-8-17 (Proposed Well)
10-30-8-17 (Existing Well)
SEC. 30, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: C.H.M.
DATE: 12-10-2010
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
B



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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Land Surveying, Inc.**

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NEWFIELD EXPLORATION COMPANY

S-30-8-17 (Proposed Well)
10-30-8-17 (Existing Well)
SEC. 30, T8S, R17E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	05-11-2011
DATE:	12-10-2010		
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET

C

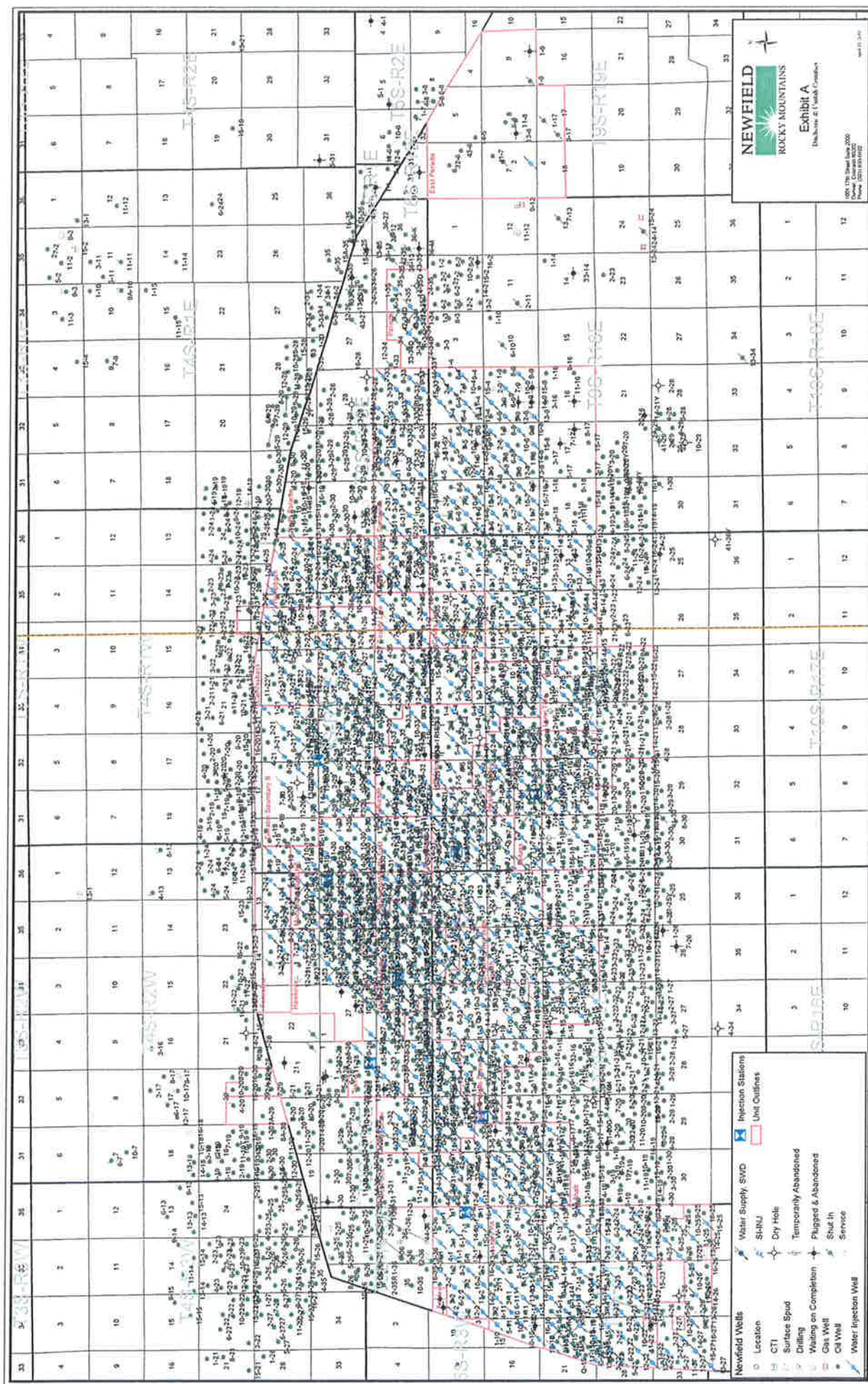
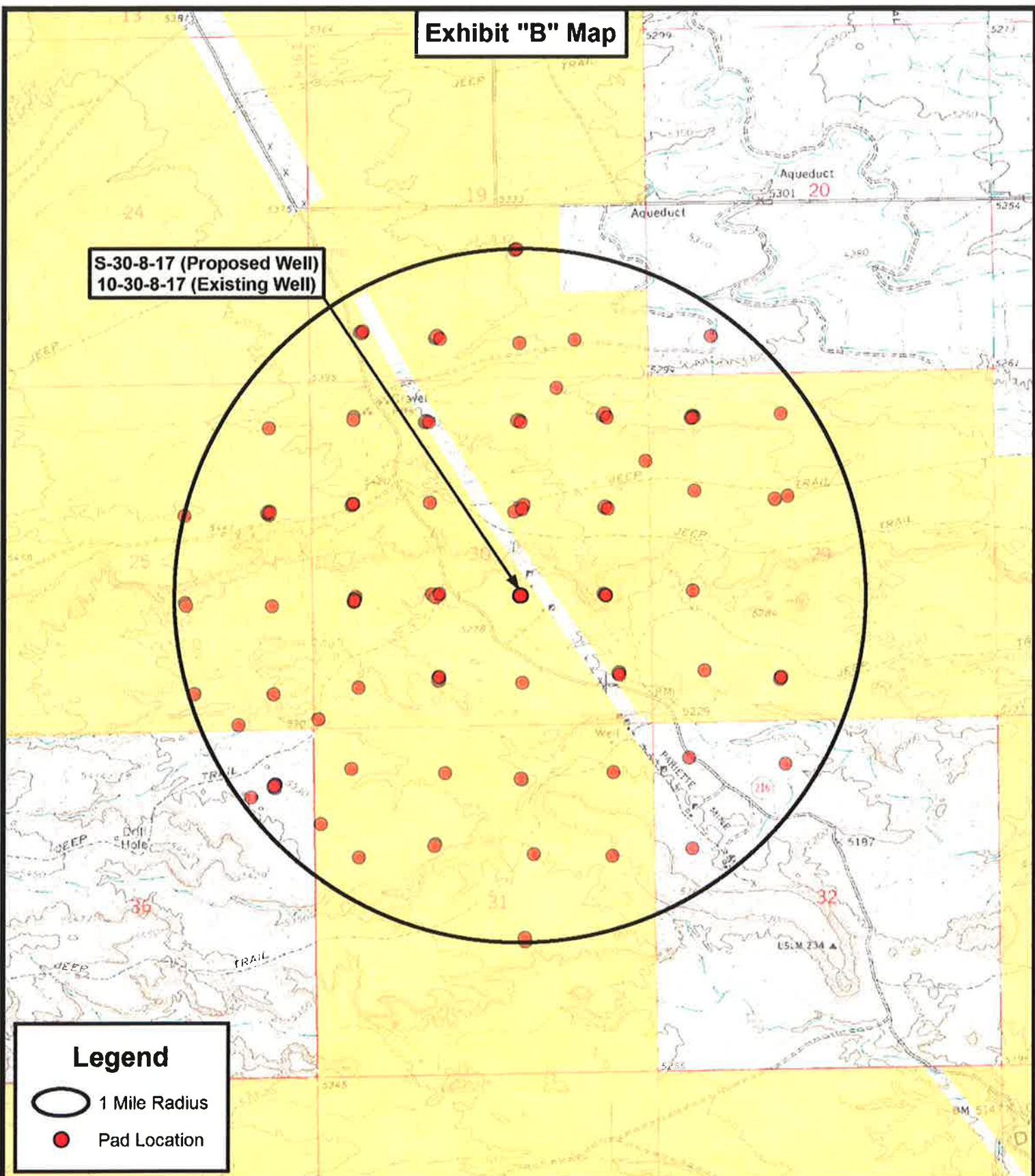



Exhibit "B" Map

**S-30-8-17 (Proposed Well)
10-30-8-17 (Existing Well)**



Legend

-  1 Mile Radius
-  Pad Location



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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NEWFIELD EXPLORATION COMPANY

**S-30-8-17 (Proposed Well)
10-30-8-17 (Existing Well)
SEC. 30, T8S, R17E, S.L.B.&M.
Duchesne County, UT.**

DRAWN BY: C.H.M.
DATE: 12-10-2010
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
D



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 30 T8S, R17E
S-30-8-17**

Wellbore #1

Plan: Design #1

Standard Planning Report

09 December, 2010





Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-30-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Site:	SECTION 30 T8S, R17E	North Reference:	True
Well:	S-30-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 30 T8S, R17E			
Site Position:		Northing:	7,203,800.00 ft	Latitude: 40° 5' 14.755 N
From:	Lat/Long	Easting:	2,042,400.00 ft	Longitude: 110° 3' 47.352 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.92 °

Well	S-30-8-17, SHL LAT: 40 05 13.42 LONG -110 02 49.13			
Well Position	+N/-S	-135.5 ft	Northing:	7,203,738.01 ft
	+E/-W	4,524.8 ft	Easting:	2,046,926.42 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,295.0 ft
			Ground Level:	5,283.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/12/09	11.38	65.85	52,348

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,200.0	0.0	0.0	133.45

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,545.8	14.19	133.45	1,536.1	-80.1	84.6	1.50	1.50	0.00	133.45	
5,324.9	14.19	133.45	5,200.0	-717.1	757.0	0.00	0.00	0.00	0.00	S-30-8-17
6,588.4	14.19	133.45	6,425.0	-930.0	981.8	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-30-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Site:	SECTION 30 T8S, R17E	North Reference:	True
Well:	S-30-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	133.45	700.0	-0.9	1.0	1.3	1.50	1.50	0.00
800.0	3.00	133.45	799.9	-3.6	3.8	5.2	1.50	1.50	0.00
900.0	4.50	133.45	899.7	-8.1	8.5	11.8	1.50	1.50	0.00
1,000.0	6.00	133.45	999.3	-14.4	15.2	20.9	1.50	1.50	0.00
1,100.0	7.50	133.45	1,098.6	-22.5	23.7	32.7	1.50	1.50	0.00
1,200.0	9.00	133.45	1,197.5	-32.3	34.1	47.0	1.50	1.50	0.00
1,300.0	10.50	133.45	1,296.1	-44.0	46.4	64.0	1.50	1.50	0.00
1,400.0	12.00	133.45	1,394.2	-57.4	60.6	83.5	1.50	1.50	0.00
1,500.0	13.50	133.45	1,491.7	-72.6	76.6	105.5	1.50	1.50	0.00
1,545.8	14.19	133.45	1,536.1	-80.1	84.6	116.5	1.50	1.50	0.00
1,600.0	14.19	133.45	1,588.7	-89.3	94.2	129.8	0.00	0.00	0.00
1,700.0	14.19	133.45	1,685.7	-106.1	112.0	154.3	0.00	0.00	0.00
1,800.0	14.19	133.45	1,782.6	-123.0	129.8	178.8	0.00	0.00	0.00
1,900.0	14.19	133.45	1,879.6	-139.8	147.6	203.3	0.00	0.00	0.00
2,000.0	14.19	133.45	1,976.5	-156.7	165.4	227.8	0.00	0.00	0.00
2,100.0	14.19	133.45	2,073.5	-173.5	183.2	252.3	0.00	0.00	0.00
2,200.0	14.19	133.45	2,170.4	-190.4	201.0	276.8	0.00	0.00	0.00
2,300.0	14.19	133.45	2,267.4	-207.2	218.8	301.3	0.00	0.00	0.00
2,400.0	14.19	133.45	2,364.3	-224.1	236.6	325.8	0.00	0.00	0.00
2,500.0	14.19	133.45	2,461.3	-240.9	254.3	350.4	0.00	0.00	0.00
2,600.0	14.19	133.45	2,558.2	-257.8	272.1	374.9	0.00	0.00	0.00
2,700.0	14.19	133.45	2,655.2	-274.7	289.9	399.4	0.00	0.00	0.00
2,800.0	14.19	133.45	2,752.1	-291.5	307.7	423.9	0.00	0.00	0.00
2,900.0	14.19	133.45	2,849.1	-308.4	325.5	448.4	0.00	0.00	0.00
3,000.0	14.19	133.45	2,946.0	-325.2	343.3	472.9	0.00	0.00	0.00
3,100.0	14.19	133.45	3,043.0	-342.1	361.1	497.4	0.00	0.00	0.00
3,200.0	14.19	133.45	3,139.9	-358.9	378.9	521.9	0.00	0.00	0.00
3,300.0	14.19	133.45	3,236.9	-375.8	396.7	546.4	0.00	0.00	0.00
3,400.0	14.19	133.45	3,333.8	-392.6	414.5	570.9	0.00	0.00	0.00
3,500.0	14.19	133.45	3,430.8	-409.5	432.3	595.4	0.00	0.00	0.00
3,600.0	14.19	133.45	3,527.7	-426.3	450.1	619.9	0.00	0.00	0.00
3,700.0	14.19	133.45	3,624.7	-443.2	467.9	644.4	0.00	0.00	0.00
3,800.0	14.19	133.45	3,721.6	-460.1	485.6	669.0	0.00	0.00	0.00
3,900.0	14.19	133.45	3,818.6	-476.9	503.4	693.5	0.00	0.00	0.00
4,000.0	14.19	133.45	3,915.5	-493.8	521.2	718.0	0.00	0.00	0.00
4,100.0	14.19	133.45	4,012.5	-510.6	539.0	742.5	0.00	0.00	0.00
4,200.0	14.19	133.45	4,109.4	-527.5	556.8	767.0	0.00	0.00	0.00
4,300.0	14.19	133.45	4,206.4	-544.3	574.6	791.5	0.00	0.00	0.00
4,400.0	14.19	133.45	4,303.3	-561.2	592.4	816.0	0.00	0.00	0.00
4,500.0	14.19	133.45	4,400.3	-578.0	610.2	840.5	0.00	0.00	0.00
4,600.0	14.19	133.45	4,497.2	-594.9	628.0	865.0	0.00	0.00	0.00
4,700.0	14.19	133.45	4,594.2	-611.7	645.8	889.5	0.00	0.00	0.00
4,800.0	14.19	133.45	4,691.1	-628.6	663.6	914.0	0.00	0.00	0.00
4,900.0	14.19	133.45	4,788.1	-645.5	681.4	938.5	0.00	0.00	0.00
5,000.0	14.19	133.45	4,885.0	-662.3	699.1	963.0	0.00	0.00	0.00
5,100.0	14.19	133.45	4,982.0	-679.2	716.9	987.6	0.00	0.00	0.00
5,200.0	14.19	133.45	5,078.9	-696.0	734.7	1,012.1	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well S-30-8-17
Company:	NEWFIELD EXPLORATION	TVD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	S-30-8-17 @ 5295.0ft (Newfield Rig)
Site:	SECTION 30 T8S, R17E	North Reference:	True
Well:	S-30-8-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	14.19	133.45	5,175.9	-712.9	752.5	1,036.6	0.00	0.00	0.00
5,324.9	14.19	133.45	5,200.0	-717.1	757.0	1,042.7	0.00	0.00	0.00
S-30-8-17									
5,400.0	14.19	133.45	5,272.8	-729.7	770.3	1,061.1	0.00	0.00	0.00
5,500.0	14.19	133.45	5,369.8	-746.6	788.1	1,085.6	0.00	0.00	0.00
5,600.0	14.19	133.45	5,466.7	-763.4	805.9	1,110.1	0.00	0.00	0.00
5,700.0	14.19	133.45	5,563.7	-780.3	823.7	1,134.6	0.00	0.00	0.00
5,800.0	14.19	133.45	5,660.6	-797.1	841.5	1,159.1	0.00	0.00	0.00
5,900.0	14.19	133.45	5,757.6	-814.0	859.3	1,183.6	0.00	0.00	0.00
6,000.0	14.19	133.45	5,854.5	-830.9	877.1	1,208.1	0.00	0.00	0.00
6,100.0	14.19	133.45	5,951.5	-847.7	894.9	1,232.6	0.00	0.00	0.00
6,200.0	14.19	133.45	6,048.4	-864.6	912.7	1,257.1	0.00	0.00	0.00
6,300.0	14.19	133.45	6,145.4	-881.4	930.4	1,281.6	0.00	0.00	0.00
6,400.0	14.19	133.45	6,242.3	-898.3	948.2	1,306.2	0.00	0.00	0.00
6,500.0	14.19	133.45	6,339.3	-915.1	966.0	1,330.7	0.00	0.00	0.00
6,588.4	14.19	133.45	6,425.0	-930.0	981.8	1,352.3	0.00	0.00	0.00

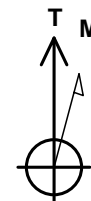
Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
S-30-8-17	0.00	0.00	5,200.0	-717.1	757.0	7,203,033.34	2,047,694.92	40° 5' 6.333 N	110° 2' 39.390 W
- plan hits target									
- Circle (radius 75.0)									

API Well Number: 43013508240000



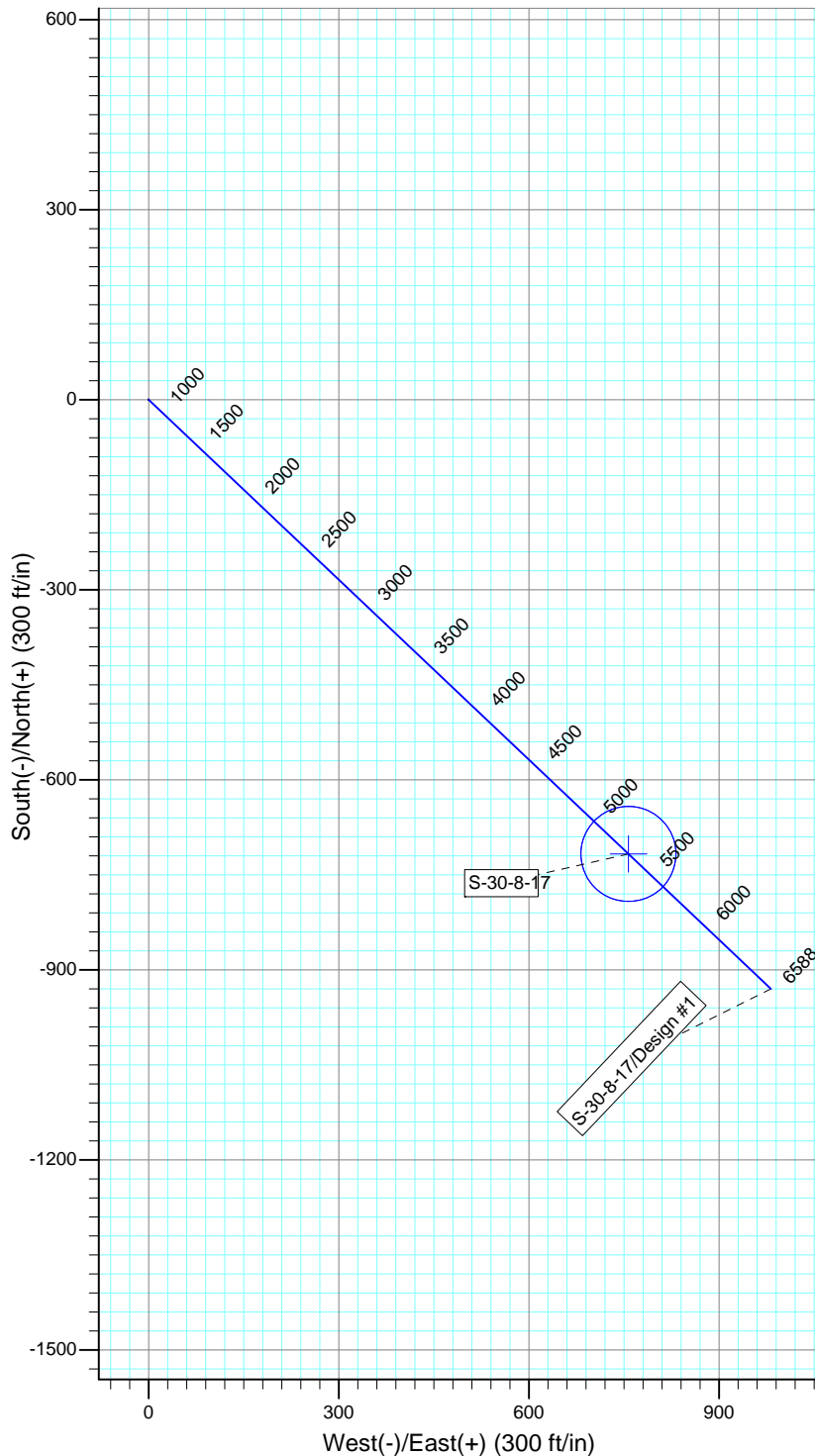
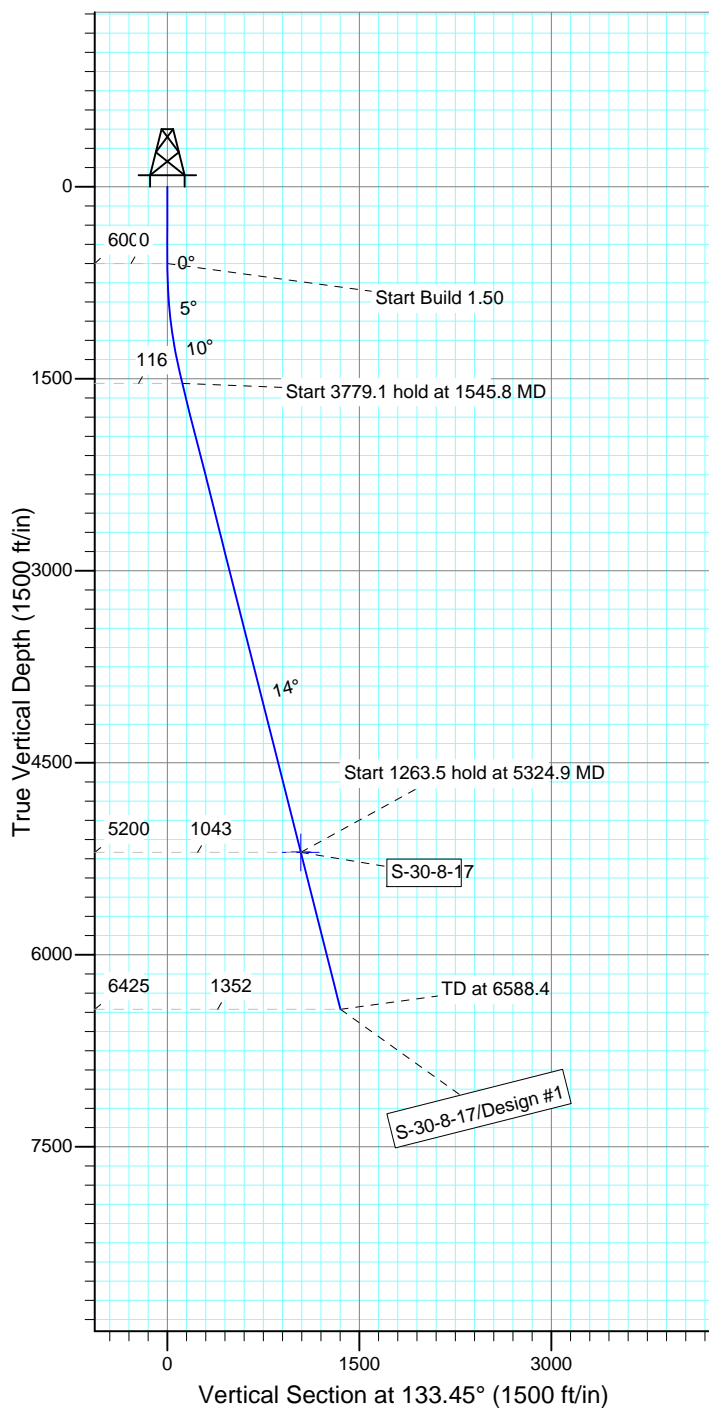
Project: USGS Myton SW (UT)
 Site: SECTION 30 T8S, R17E
 Well: S-30-8-17
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.38°

Magnetic Field
 Strength: 52348.2snT
 Dip Angle: 65.85°
 Date: 2010/12/09
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
S-30-8-17	5200.0	-717.1	757.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1545.8	14.19	133.45	1536.1	-80.1	84.6	1.50	133.45	116.5	
4	5324.9	14.19	133.45	5200.0	-717.1	757.0	0.00	0.00	1042.7	S-30-8-17
5	6588.4	14.19	133.45	6425.0	-930.0	981.8	0.00	0.00	1352.3	



RECEIVED: Jun. 20, 2011

**NEWFIELD PRODUCTION COMPANY
GMBU S-30-8-17
AT SURFACE: NW/SE (LOT #10) SECTION 30, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU S-30-8-17 located in the NW 1/4 SE 1/4 Section 30, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed in a southeasterly direction – 8.0 miles to it's junction with an existing dirt road to the east; proceed in a easterly direction – 0.1 miles to it's junction with the beginning of the access road to the existing 10-30-8-17 well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 10-30-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – Bureau of Land Management.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-11-MQ-0287b,p,s 5/13/11, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 5/31/11. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 705' of buried water line to be granted for the proposed GMBU S-30-8-17.

It is proposed that the disturbed area will be 30' wide to allow for construction of the proposed buried 10" steel water injection line and a buried 3" poly water return line. The proposed buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

For a ROW plan of development, please refer to the Greater Monument Butte Green River Development SOP and as well as the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Surface Flow Line

Newfield requests 1,401' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made

with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Details of the On-Site Inspection

The proposed GMBU S-30-8-17 was on-sited on 1/26/11. The following were present; Tim Eaton (Newfield Production), Janna Simonsen (Bureau of Land Management), and Suzanne Grayson (Bureau of Land Management).

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU S-30-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU S-30-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #S-30-8-17, Section 30, Township 8S, Range 17E: Lease UTU-74869 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

6/8/11
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

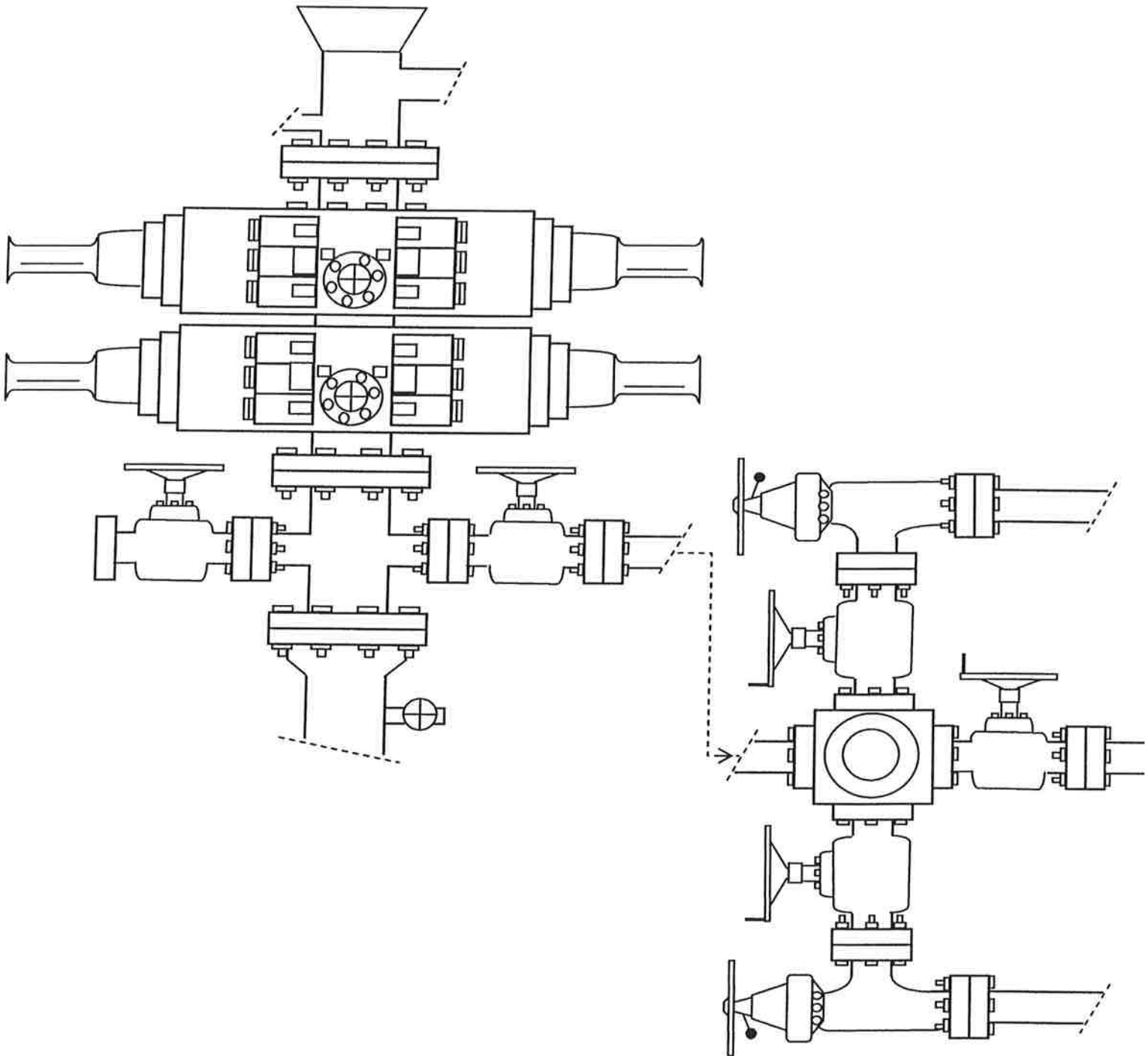


EXHIBIT C

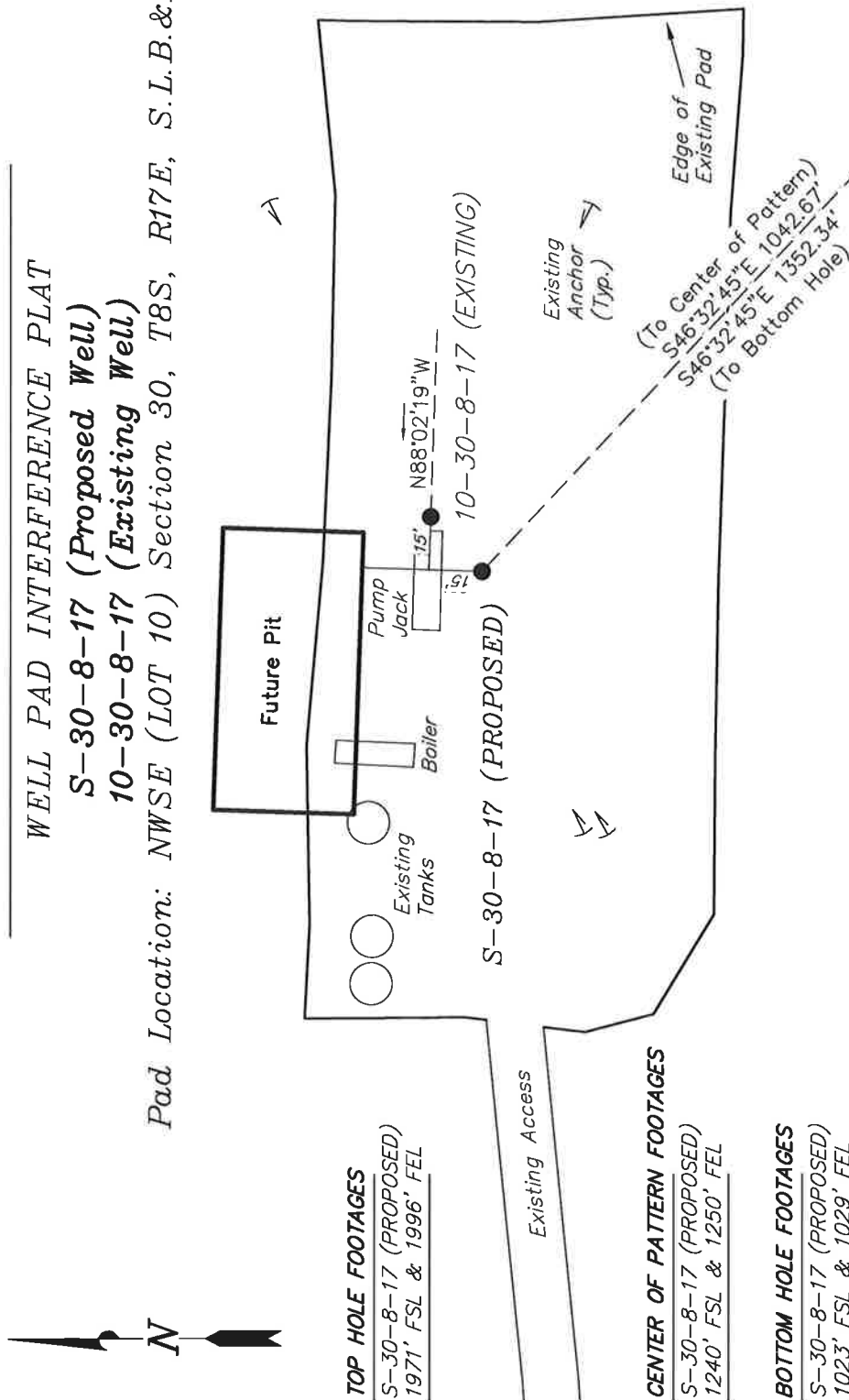
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

S-30-8-17 (Proposed Well)

10-30-8-17 (Existing Well)

Pad Location: NWSE (LOT 10) Section 30, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

S-30-8-17 (PROPOSED)
1971' FSL & 1996' FEL

CENTER OF PATTERN FOOTAGES

S-30-8-17 (PROPOSED)
1240' FSL & 1250' FEL

BOTTOM HOLE FOOTAGES

S-30-8-17 (PROPOSED)
1023' FSL & 1029' FEL

RELATIVE COORDINATES From Top Hole to C.O.P.

WELL	NORTH	EAST
S-30-8-17	-717'	757'

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
S-30-8-17	-930'	-982'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
S-30-8-17	40° 05' 13.42"	110° 02' 49.13"
10-30-8-17	40° 05' 13.56"	110° 02' 48.93"

Note:
Bearings are based
on GPS Observations.

SURVEYED BY: D.G.	DATE SURVEYED: 09-29-10
DRAWN BY: F.T.M.	DATE DRAWN: 12-13-10
SCALE: 1" = 50'	REVISED:

**Tri State
Land Surveying, Inc.**
(435) 781-2501
180 NORTH VERNAL AVE., VERNAL, UTAH 84078

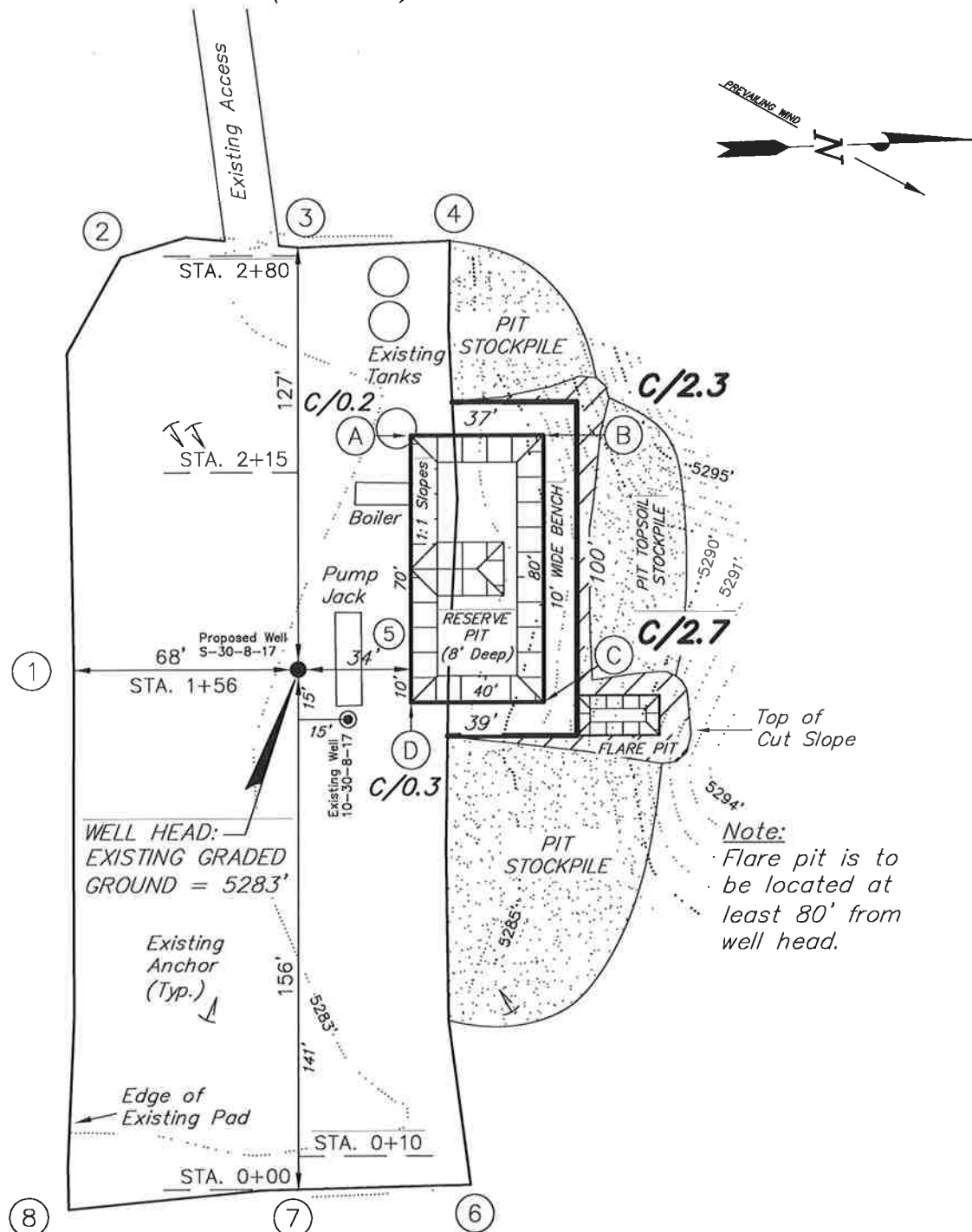
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

S-30-8-17 (Proposed Well)

10-30-8-17 (Existing Well)

Pad Location: NWSE (LOT 10) Section 30, T8S, R17E, S.L.B.&M.



SURVEYED BY: D.G.

DATE SURVEYED: 09-29-10

DRAWN BY: F.T.M.

DATE DRAWN: 12-13-10

SCALE: 1" = 50'

REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Jun. 20, 2011

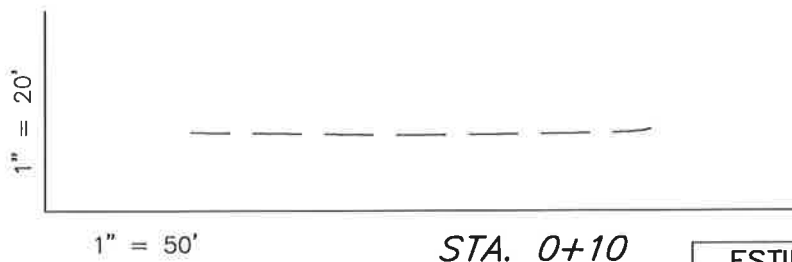
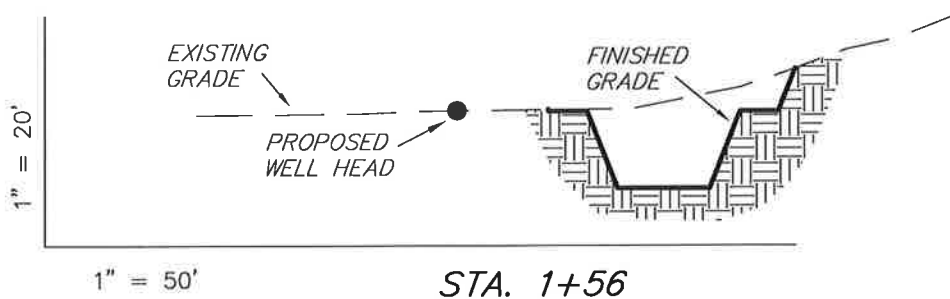
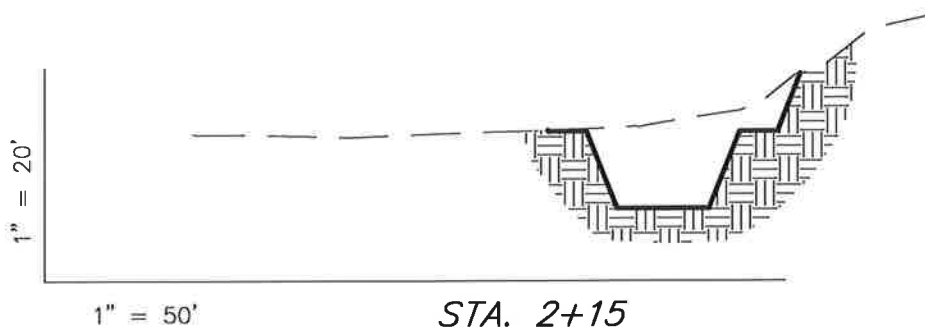
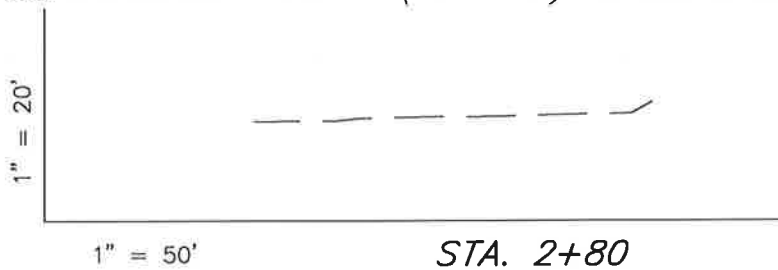
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

S-30-8-17 (Proposed Well)

10-30-8-17 (Existing Well)

Pad Location: NWSE (LOT 10) Section 30, T8S, R17E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	310	0	Topsoil is not included in Pad Cut	310
PIT	640	0		640
TOTALS	950	0	140	950

SURVEYED BY: D.G. DATE SURVEYED: 09-29-10
DRAWN BY: F.T.M. DATE DRAWN: 12-13-10
SCALE: 1" = 50' REVISED:

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Jun. 20, 2011



VIA ELECTRONIC DELIVERY

June 8, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU S-30-8-17
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 30: NWSE(Lot 10) (UTU-74869)
1971' FSL 1996' FEL

At Target: T8S-R17E Section 30: SESE(Lot 13) (UTU-74869)
1023' FSL 1029' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 6/8/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at pburns@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "P. Burns".

Peter Burns
Land Associate

Form 3160-3
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT


APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No. UTU-74869	
6. If Indian, Allottee or Tribe Name NA	
7. If Unit or CA Agreement, Name and No. Greater Monument Butte	
8. Lease Name and Well No. GMBU S-30-8-17	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 30, T8S R17E	
12. County or Parish Duchesne	13. State UT
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone
2. Name of Operator Newfield Production Company	
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface NW/SE (LOT #10) 1971' FSL 1996' FEL Sec. 30, T8S R17E (UTU-74869) At proposed prod. zone SE/SE (LOT #13) 1023' FSL 1029' FEL Sec. 30, T8S R17E (UTU-74869)	
14. Distance in miles and direction from nearest town or post office* Approximately 9.5 miles southeast of Myton, UT	
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 1,029' f/lease, NA f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 1,177.07
17. Spacing Unit dedicated to this well 20 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 784'
19. Proposed Depth 6,588'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5283' GL	22. Approximate date work will start* 3rd Qtr. 2011
23. Estimated duration (7) days from SPUD to rig release	
24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature 	Name (Printed Typed) Mandle Crozier	Date 6/8/11
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed Typed)	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

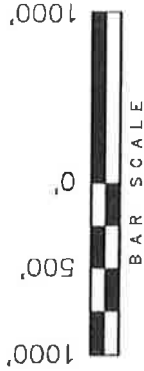
*(Instructions on page 2)

T8S, R17E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, S-30-8-17, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 (LOT 10) OF SECTION 30, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

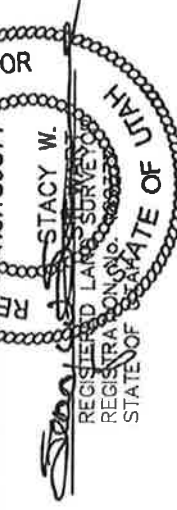
TARGET BOTTOM HOLE, S-30-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 (LOT 13) OF SECTION 30, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

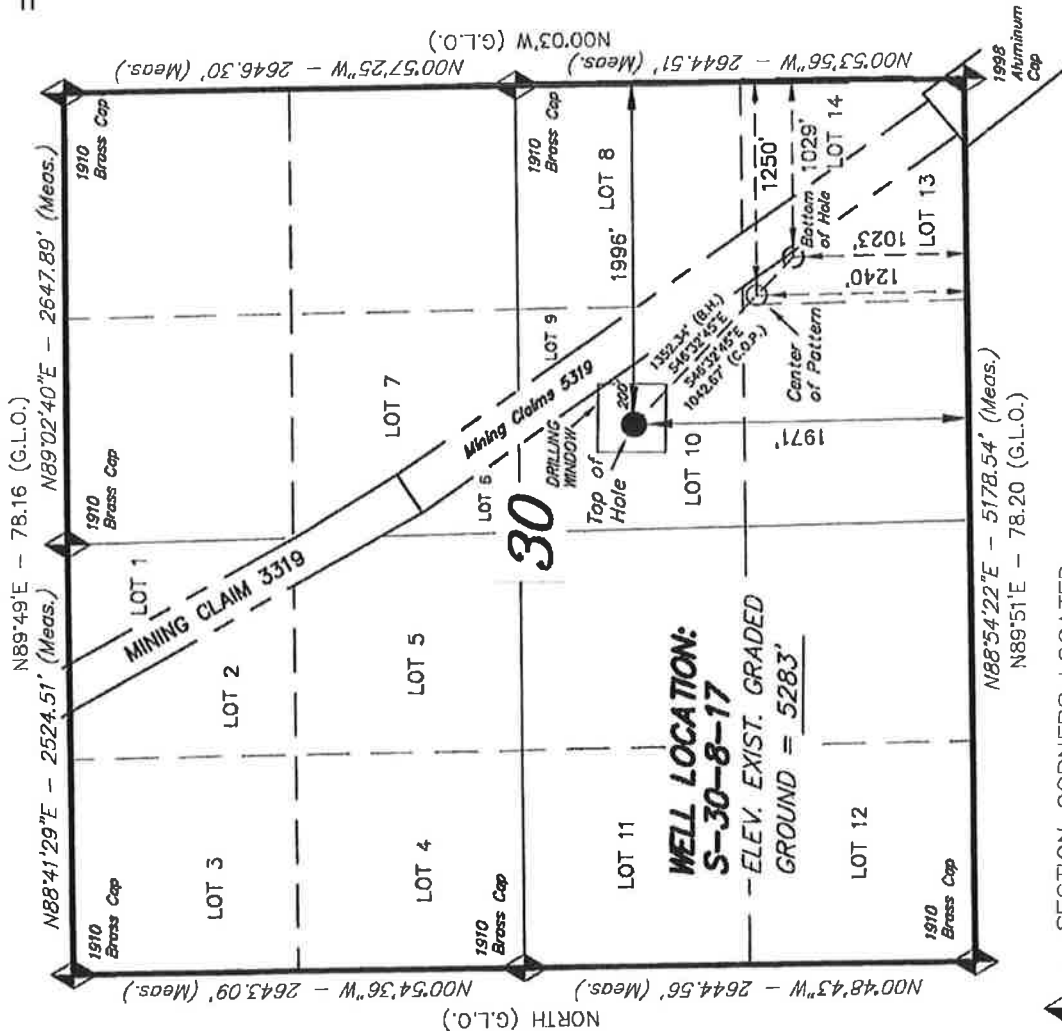
THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM FIELD NOTES OF A GROUP OF SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

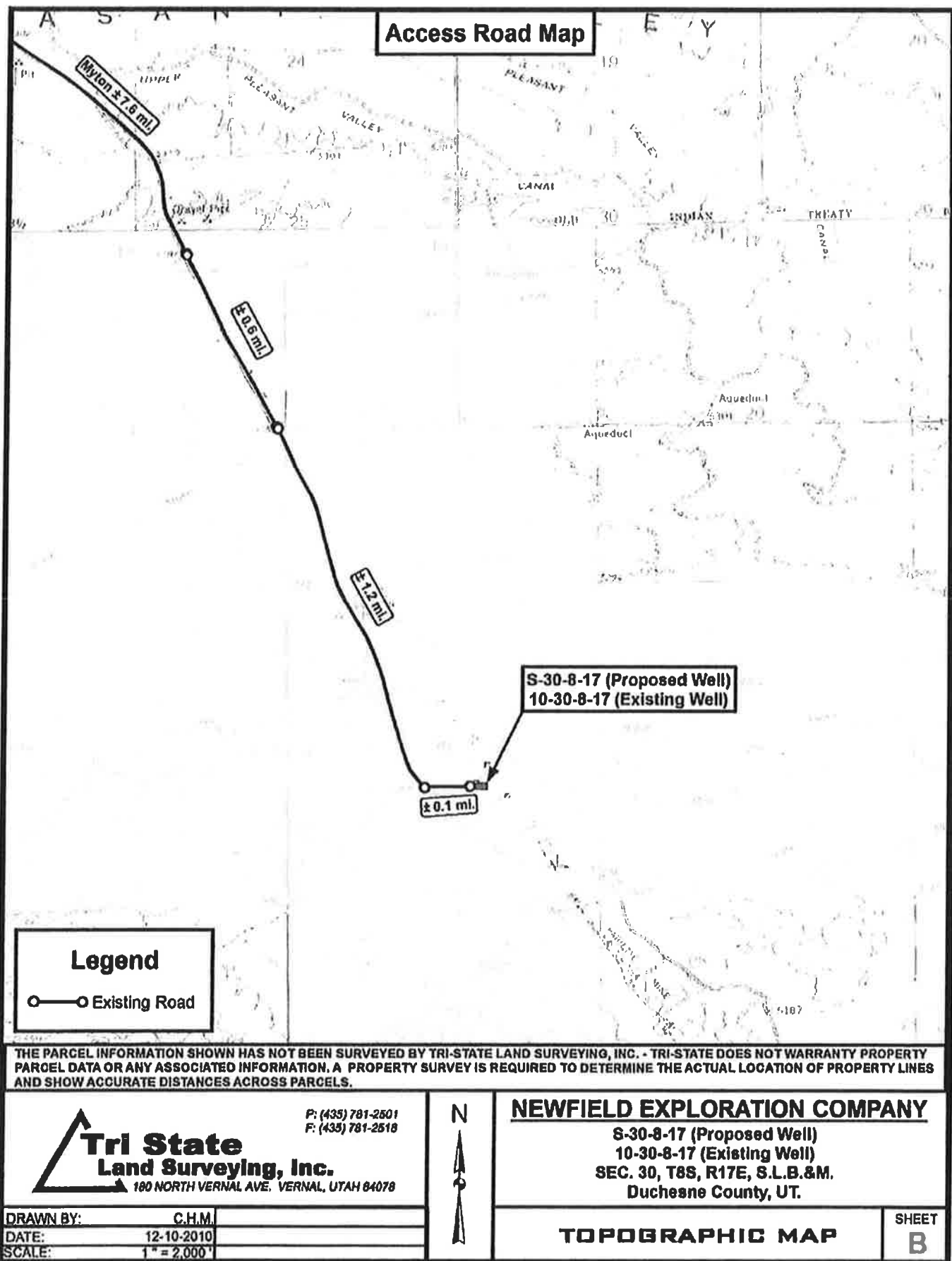
DATE SURVEYED:	SURVEYED BY: D.G.
09-29-10	
DATE DRAWN:	DRAWN BY: F.T.M.
12-10-10	
REVISED:	SCALE: 1" = 1000'

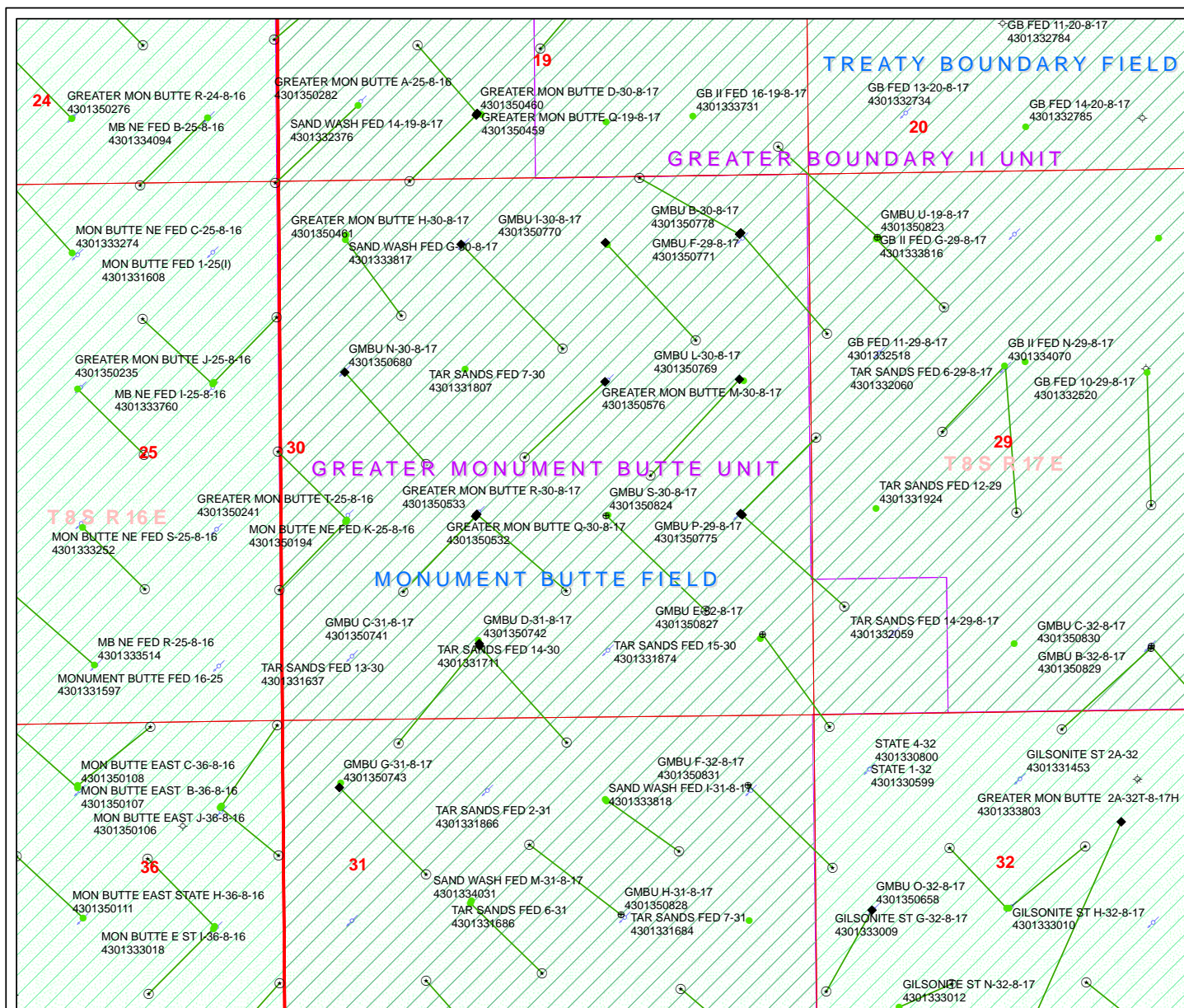


S-30-8-17
(Surface Location) **NAD 83**
LATITUDE = 40° 05' 13.42"
LONGITUDE = 110° 02' 49.13"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction.
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'

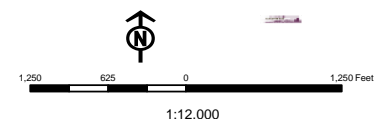




API Number: 4301350824
Well Name: GMBU S-30-8-17
Township T0.8 . Range R1.7 . Section 30
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
STATUS	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Fields	SGW - Shut-in Gas Well
STATUS	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WIW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	
TERMINATED	
Sections	
Township	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 10, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-047-51638	GMBU G-24-8-17 Sec 24	T08S R17E 1528 FNL 0508 FWL BHL Sec 24 T08S R17E 0682 FNL 1125 FWL
43-047-51639	GMBU N-24-8-17 Sec 24	T08S R17E 1543 FNL 0491 FWL BHL Sec 24 T08S R17E 2376 FSL 1318 FWL
43-047-51640	GMBU S-35-8-17 Sec 35	T08S R17E 1956 FSL 0695 FEL BHL Sec 35 T08S R17E 0974 FSL 1549 FEL
43-047-51641	GMBU P-36-8-17 Sec 35	T08S R17E 1962 FSL 0675 FEL BHL Sec 36 T08S R17E 1157 FSL 0290 FWL
43-047-51642	GMBU W-24-8-17 Sec 25	T08S R17E 0771 FNL 1979 FWL BHL Sec 24 T08S R17E 0189 FSL 2469 FEL
43-047-51643	GMBU X-24-8-17 Sec 25	T08S R17E 0784 FNL 1962 FWL BHL Sec 24 T08S R17E 0322 FSL 1215 FWL
43-047-51644	GMBU Y-24-8-17 Sec 26	T08S R17E 0846 FNL 0436 FEL BHL Sec 24 T08S R17E 0170 FSL 0095 FWL
43-047-51645	GMBU H-25-8-17 Sec 25	T08S R17E 1885 FNL 1898 FEL BHL Sec 25 T08S R17E 1220 FNL 2553 FWL

RECEIVED: Jun. 20, 2011

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50821	GMBU Y-35-8-17	Sec 03 T09S R17E 0769 FNL 0514 FEL
	BHL	Sec 35 T08S R17E 0138 FSL 0210 FWL
43-047-51646	GMBU F-25-8-17	Sec 26 T08S R17E 2076 FNL 0461 FEL
	BHL	Sec 25 T08S R17E 1090 FNL 0075 FWL
43-047-51647	GMBU O-25-8-17	Sec 26 T08S R17E 2071 FNL 0441 FEL
	BHL	Sec 25 T08S R17E 2433 FSL 0215 FWL
43-047-51648	GMBU G-25-8-17	Sec 25 T08S R17E 0723 FNL 0664 FWL
	BHL	Sec 25 T08S R17E 1228 FNL 1560 FWL
43-047-51649	GMBU N-25-8-17	Sec 25 T08S R17E 2265 FSL 0464 FWL
	BHL	Sec 25 T08S R17E 2366 FNL 1716 FWL
43-013-50795	GMBU X-1-9-16	Sec 12 T09S R16E 0646 FNL 0645 FWL
	BHL	Sec 01 T09S R16E 0079 FSL 1352 FWL
43-013-50796	GMBU J-11-9-16	Sec 12 T09S R16E 0641 FNL 0625 FWL
	BHL	Sec 11 T09S R16E 1421 FNL 0210 FEL
43-013-50823	GMBU U-19-8-17	Sec 29 T08S R17E 0624 FNL 0684 FWL
	BHL	Sec 19 T08S R17E 0269 FSL 0276 FEL
43-013-50824	GMBU S-30-8-17	Sec 30 T08S R17E 1971 FSL 1996 FEL
	BHL	Sec 30 T08S R17E 1023 FSL 1029 FEL
43-013-50825	GMBU G-33-8-17	Sec 33 T08S R17E 0537 FNL 1927 FWL
	BHL	Sec 33 T08S R17E 1531 FNL 1410 FWL
43-013-50826	GMBU H-33-8-17	Sec 33 T08S R17E 0522 FNL 1942 FWL
	BHL	Sec 33 T08S R17E 1555 FNL 2440 FEL
43-013-50827	GMBU E-32-8-17	Sec 30 T08S R17E 0789 FSL 0478 FEL
	BHL	Sec 32 T08S R17E 0128 FNL 0168 FWL
43-013-50828	GMBU H-31-8-17	Sec 31 T08S R17E 1936 FNL 1891 FEL
	BHL	Sec 31 T08S R17E 1239 FNL 2405 FWL
43-013-50829	GMBU B-32-8-17	Sec 29 T08S R17E 0619 FSL 1975 FEL
	BHL	Sec 32 T08S R17E 0270 FNL 1223 FEL
43-013-50830	GMBU C-32-8-17	Sec 29 T08S R17E 0599 FSL 1982 FEL
	BHL	Sec 32 T08S R17E 0181 FNL 2431 FWL
43-013-50831	GMBU F-32-8-17	Sec 31 T08S R17E 0682 FNL 0640 FEL
	BHL	Sec 32 T08S R17E 1503 FNL 0178 FWL

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50832	GMBU K-32-8-17	Sec 33 T08S R17E 1831 FNL 0718 FWL
	BHL Sec 32	T08S R17E 2378 FSL 0306 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land
Management, ou=Branch of Minerals,
email=Michael_Coulthard@blm.gov, c=US
Date: 2011.06.10 13:37:42 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-10-11

RECEIVED: Jun. 20, 2011

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/8/2011**API NO. ASSIGNED:** 43013508240000**WELL NAME:** GMBU S-30-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** NWSE 30 080S 170E**Permit Tech Review:** ☒**SURFACE:** 1971 FSL 1996 FEL**Engineering Review:** ☐**BOTTOM:** 1023 FSL 1029 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.08711**LONGITUDE:** -110.04621**UTM SURF EASTINGS:** 581315.00**NORTHINGS:** 4437651.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 1 - Federal**LEASE NUMBER:** UTU-74869**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 1 - Federal**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** FEDERAL - WYB000493☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**
4 - Federal Approval - dmason
15 - Directional - dmason
27 - Other - bhill**RECEIVED:** Jun. 20, 2011



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU S-30-8-17
API Well Number: 43013508240000
Lease Number: UTU-74869
Surface Owner: FEDERAL
Approval Date: 6/20/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

RECEIVED

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No.
UTU-74869

6. If Indian, Allottee or Tribe Name
NA

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator Newfield Production Company

3a. Address Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

7. If Unit or CA Agreement, Name and No.
Greater Monument Butte

8. Lease Name and Well No.
GMBU S-30-8-17

9. API Well No.

43-013-50824

10. Field and Pool, or Exploratory
Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements *)

At surface NW/SE (LOT #10) 1971' FSL 1996' FEL Sec. 30, T8S R17E (UTU-74869)

At proposed prod. zone SE/SE (LOT #13) 1023' FSL 1029' FEL Sec. 30, T8S R17E (UTU-74869)

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 30, T8S R17E

14. Distance in miles and direction from nearest town or post office*
Approximately 9.5 miles southeast of Myton, UT

12. County or Parish
Duchesne

13. State
UT

15. Distance from proposed*
location to nearest
property or lease line, ft. Approx. 1,029' f/lse, NA f/unit
(Also to nearest drig. unit line, if any)

16. No. of acres in lease
1,177.07

17. Spacing Unit dedicated to this well
20 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. Approx. 784'

19. Proposed Depth
6,588'

20. BLM/BIA Bond No. on file
WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5283' GL

22. Approximate date work will start*
3rd Qtr. 2011

23. Estimated duration
(7) days from SPUD to rig release

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature *Mandie Crozier*
Title
Regulatory Specialist

Name (Printed/Typed)
Mandie Crozier

Date
6/18/11

Approved by (Signature) *Jerry Kenczka*
Title
Assistant Field Manager
Lands & Mineral Resources

Name (Printed/Typed)
Jerry Kenczka
Office
VERNAL FIELD OFFICE

Date
JAN 09 2012

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

UDOGM

RECEIVED

JAN 25 2012

DIV. OF OIL, GAS & MINING

NOS 12-28-2011

AFMSS# 115X50228A

NOTICE OF APPROVAL
CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: GMBU S-30-8-17
API No: 43-013-50824

Location:
Lease No:
Agreement:

Lot # 10, Sec. 30, T8S R17E
UTU-74869
GMBU

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm ut vn opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COA's

Cultural Resources

- Construction activities will be limited to the south side of the existing well pad and to previously disturbed areas in order to avoid cultural sites 42Dc0941, 42Dc0983, 42Dc1023, and 42Dc1561.

Wildlife

- Construction and drilling is not allowed from May 1st – June 15th to minimize impacts during Mountain plover nesting.
- Construction and drilling is not allowed from March 1st – August 31st to minimize impacts during burrowing owl nesting.
- Construction and drilling is not allowed from March 1st – August 31st to minimize impacts during ferruginous hawk nesting.
- If it is anticipated that construction or drilling will occur during the given timing restriction, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon the results of the surveys, permission to proceed may or may not be recommended or granted by the BLM Authorized Officer.
- The reclamation seed mix will incorporate low growing grasses and forbs; and not crested wheatgrass since this negatively impacts mountain plover habitat.
- Hospital mufflers will be installed on new and existing pump jacks at the host well locations.
- Screening will be placed on stacks and on other openings of heater-treaters or fired vessels to prevent entry by migratory birds.

Air Quality

- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer.
- Open burning of garbage or refuse will not occur at well sites or other facilities.

- Low bleed pneumatics will be installed on separator dump valves and other controllers.
- During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Well site telemetry will be utilized as feasible for production operations.

Reclamation

- Reclamation will be completed in accordance with the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM.
- Appropriate erosion control and revegetation measures will be employed. In areas with unstable soils where seeding alone may not adequately control erosion, grading will be used to minimize slopes and water bars will be installed on disturbed slopes. Erosion control efforts will be monitored by Newfield and, if necessary, modifications will be made to control erosion.

Seed Mix (Interim and Final Reclamation)

Common Name	Latin Name	Pure Live Seed (lbs/acre)	Seed Planting Depth
Squirrealtail grass	<i>Elymus elymoides</i>	2.0	1/4 - 1/2"
Needle and thread grass	<i>Hesperostipa comata</i>	2.0	1/2"
Siberian Wheatgrass	<i>Agropyron fragile</i>	2.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	2.0	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	2.0	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	2.0	1/2"
Blue flax (Lewis flax)	<i>Linum lewisii</i>	1.0	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.

Monitoring and Reporting

- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) that designates the proposed site-specific monitoring and reference sites chosen for the location. A description of the proposed sites shall be included, as well as a map showing the locations of the proposed sites.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- The operator shall comply with all applicable requirements in the SOP (version: "Greater Monument Butte Green River Development Program", June 24, 2008). The operator shall also comply with applicable laws and regulations; with the lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1.

Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU S-30-8-17
Qtr/Qtr NW/SE Section 30 Township 8S Range 17E
Lease Serial Number UTU-74869
API Number 43-013-50824

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 2/22/12 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 2/22/12 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301350824	GMBU S-30-8-17	NWSE	30	8S	17E	DUCHESNE	2/23/2012	2/29/2012
WELL 1 COMMENTS: GRRV BHL sese											
B	99999	17400	4301350576	GMBU M-30-8-17	SWNE	30	8S	17E	DUCHESNE	2/23/2012	2/29/2012
GRRV BHL: nesw											
A	99999	18434	43-03-51054	ODEKIRK 11-12-3-3W	NESW	12	3S	3W	DUCHESNE	2/22/2012	2/29/2012
WSTC											
B	99999	17400	4301350841	GMBU C-12-9-16	SESW	1	9S	16E	DUCHESNE	2/26/2012	2/29/2012
GRRV BHL: hwn											
B	99999	17400	4301350626	GMBU Q-1-9-16	NESW	1	9S	16E	DUCHESNE	2/25/2012	2/29/2012
GRRV BHL: SWSW											
B	99999	17400	4301350840	GMBU R-1-9-16	SESW	1	9S	16E	DUCHESNE	2/26/2012	2/29/2012
GRRV BHL: nwse											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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FEB 29 2012

Div. of Oil, Gas & Mining

Signature

Production Clerk

Jentri Park

02/29/12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1991 RSL 1996 FEL

Section 30 T8S R17E

5. Lease Serial No.

USA UTU-74869

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

GMBU S-30-8-17

9. API Well No.

4301350824

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 2/23/12 MIRU Ross #29. Spud well @9:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 313.30. On 2/23/12 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 1 barrels cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Branden Arnold

Signature



Title

Date

02/28/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

Casing / Liner Detail

Well GMBU S-30-8-17
Prospect Monument Butte
Foreman
Run Date: 2/23/2012
String Type Conductor, 14", 36#, H-40, W (Welded)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
13.00	5.00	1	14" Conductor	14.000	

Cement Detail

Cement Company:					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft ³)	Description - Slurry Class and Additives

Stab-In-Job?	
BHT:	0
Initial Circulation Pressure:	
Initial Circulation Rate:	
Final Circulation Pressure:	
Final Circulation Rate:	

Cement To Surface?	
Est. Top of Cement:	
Plugs Bumped?	
Pressure Plugs Bumped:	
Floats Holding?	
Casing Stuck On / Off Bottom?	

Casing / Liner Detail

Well GMBU S-30-8-17
Prospect Monument Butte
Foreman
Run Date: 2/23/2012
String Type Surface, 8.625", 24#, J-55, LTC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
313.88	1.42		Wellhead		
315.30	-2.00		Cut-off		
13.00	258.93	6	8 5/8 Surface casing	8.620	
271.93	41.05	1	Shoe joint	8.620	
312.98	0.90		Guide Shoe		
313.30			Total KB		

Cement Detail

Cement Company: BJ					
Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft³)	Description - Slurry Class and Additives
Slurry 1	160	15.8	1.17	187.2	class G+2%kcl+.25#CF

Stab-In-Job?	No
BHT:	0
Initial Circulation Pressure:	131
Initial Circulation Rate:	3
Final Circulation Pressure:	250
Final Circulation Rate:	4

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	No
Pressure Plugs Bumped:	
Floats Holding?	Yes
Casing Stuck On / Off Bottom?	No

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU S-30-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1971 FSL 1996 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 30 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013508240000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/11/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above well was placed on production on 04/11/2012 at 14:00 hours.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 15, 2012		
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBER 435 646-4885	TITLE Production Technician
SIGNATURE N/A	DATE 5/10/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU-74869									
6. If Indian, Allottee or Tribe Name NA									
7. Unit or CA Agreement Name and No. GMBU (GRRV)									
8. Lease Name and Well No. GMBU S-30-8-17 ✓									
9. AFI Well No. 43-013-50824									
10. Field and Pool or Exploratory MONUMENT BUTTE									
11. Sec., T., R., M., on Block and Survey or Area SEC. 30, T8S, R17E									
12. County or Parish DUCHESNE									
13. State UT									
14. Date Spudded 02/23/2012									
15. Date T.D. Reached 03/13/2012									
16. Date Completed 04/11/2012									
17. Elevations (DF, RKB, RT, GL)* 5283' GL 5296' KB									
18. Total Depth: MD 6585' TVD 6426'									
19. Plug Back T.D.: MD 6557' TVD 6399									
20. Depth Bridge Plug Set: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND									
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	313'		160 CLASS "G"			
7-7/8"	5-1/2" J-55	15.5#	0	6603'		250 PRIMLITE		Surface	
						450 50/50 POZ			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 6349'	TA @ 6251'							
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Green River	4522'	6289'	4522-6289'	.34"	114				
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
4522-6289'	Frac w/ 480795# 20/40 white sand and 3850 bbls Lightning 17 fluid, in 6 stages.								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/9/2012	4/21/12	24	→	158	70	68			2-1/2" x 1-3/4" x 20' x 21' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

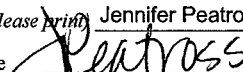
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4522'	6289'		GARDEN GULCH MARKER GARDEN GULCH 1	4050' 4248'
				GARDEN GULCH 2 POINT 3 MARKER	4370' 4658'
				X MRKR Y MRKR	4891' 4930'
				DOUGLAS CREEK MRKR BI-CARBONATE	5062' 5308'
				B LIMESTONE CASTLE PEAK	5436' 5951'
				BASAL CARBONATE	6379'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer Peatross
 Signature 

Title Production Technician
 Date 06/18/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

NEWFIELD



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 30 T8S, R17E
S-30-8-17**

Wellbore #1

Design: Actual

Standard Survey Report

09 April, 2012



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 30 T8S, R17E
Well: S-30-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well S-30-8-17
TVD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
MD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone

System Datum: Mean Sea Level

Site SECTION 30 T8S, R17E

Site Position: Northing: 7,203,800.00 ft Latitude: 40° 5' 14.755 N
From: Lat/Long Easting: 2,042,400.00 ft Longitude: 110° 3' 47.352 W
Position Uncertainty: 0.0 ft Slot Radius: " Grid Convergence: 0.92 °

Well S-30-8-17, SHL LAT: 40 05 13.42 LONG -110 02 49.13

Well Position +N/-S 0.0 ft Northing: 7,203,738.01 ft Latitude: 40° 5' 13.420 N
 +E/-W 0.0 ft Easting: 2,046,926.42 ft Longitude: 110° 2' 49.130 W
Position Uncertainty 0.0 ft Wellhead Elevation: 5,295.0 ft Ground Level: 5,283.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/9/2010	11.38	65.85	52,348

Design Actual

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	133.45

Survey Program Date 4/9/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
313.0	6,585.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
313.0	0.70	112.90	313.0	-0.7	1.8	1.8	0.22	0.22	0.00
343.0	0.50	150.20	343.0	-0.9	2.0	2.1	1.43	-0.67	124.33
374.0	0.40	146.80	374.0	-1.1	2.1	2.3	0.33	-0.32	-10.97
404.0	0.40	129.00	404.0	-1.3	2.3	2.5	0.41	0.00	-59.33
435.0	0.75	124.06	435.0	-1.5	2.5	2.8	1.14	1.13	-15.94
465.0	1.10	90.60	465.0	-1.6	3.0	3.2	2.10	1.17	-111.53
495.0	1.50	103.80	495.0	-1.7	3.6	3.8	1.66	1.33	44.00
527.0	1.60	96.50	527.0	-1.8	4.5	4.5	0.69	0.31	-22.81
557.0	1.63	104.70	557.0	-2.0	5.3	5.2	0.78	0.10	27.33
588.0	2.20	105.20	587.9	-2.3	6.3	6.1	1.84	1.84	1.61
619.0	2.20	115.00	618.9	-2.7	7.4	7.2	1.21	0.00	31.61
649.0	2.30	125.40	648.9	-3.3	8.4	8.4	1.40	0.33	34.67

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 30 T8S, R17E
Well: S-30-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well S-30-8-17
TVD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
MD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
680.0	2.60	123.00	679.9	-4.0	9.5	9.7	1.02	0.97	-7.74
710.0	3.00	130.80	709.8	-4.9	10.7	11.1	1.84	1.33	26.00
741.0	3.69	140.90	740.8	-6.2	11.9	12.9	2.92	2.23	32.58
772.0	4.20	137.70	771.7	-7.8	13.3	15.0	1.79	1.65	-10.32
802.0	4.60	140.10	801.6	-9.5	14.8	17.3	1.47	1.33	8.00
833.0	4.60	143.20	832.5	-11.5	16.4	19.8	0.80	0.00	10.00
879.0	4.80	138.80	878.4	-14.4	18.8	23.5	0.90	0.43	-9.57
924.0	5.10	133.30	923.2	-17.2	21.5	27.4	1.25	0.67	-12.22
970.0	5.50	135.00	969.0	-20.2	24.5	31.7	0.93	0.87	3.70
1,015.0	6.50	130.60	1,013.7	-23.3	28.0	36.4	2.44	2.22	-9.78
1,060.0	7.30	130.70	1,058.4	-26.9	32.1	41.8	1.78	1.78	0.22
1,105.0	7.30	132.00	1,103.1	-30.6	36.4	47.5	0.37	0.00	2.89
1,151.0	8.30	130.70	1,148.6	-34.8	41.0	53.7	2.21	2.17	-2.83
1,196.0	9.50	128.00	1,193.1	-39.2	46.4	60.6	2.82	2.67	-6.00
1,241.0	10.20	128.50	1,237.4	-43.9	52.5	68.3	1.57	1.56	1.11
1,287.0	10.50	131.90	1,282.7	-49.3	58.8	76.6	1.48	0.65	7.39
1,332.0	10.90	131.90	1,326.9	-54.8	65.0	84.9	0.89	0.89	0.00
1,377.0	11.30	135.00	1,371.0	-60.8	71.3	93.6	1.60	0.89	6.89
1,423.0	12.40	135.20	1,416.1	-67.5	78.0	103.0	2.39	2.39	0.43
1,468.0	13.40	136.90	1,459.9	-74.7	84.9	113.0	2.38	2.22	3.78
1,513.0	13.80	138.50	1,503.7	-82.6	92.0	123.6	1.22	0.89	3.56
1,559.0	14.20	140.20	1,548.3	-91.0	99.3	134.7	1.25	0.87	3.70
1,604.0	15.00	137.20	1,591.9	-99.5	106.8	146.0	2.45	1.78	-6.67
1,649.0	15.30	137.00	1,635.3	-108.1	114.8	157.7	0.68	0.67	-0.44
1,694.0	15.30	137.00	1,678.7	-116.8	122.9	169.5	0.00	0.00	0.00
1,740.0	15.30	135.10	1,723.1	-125.6	131.3	181.7	1.09	0.00	-4.13
1,785.0	15.40	132.70	1,766.5	-133.8	139.9	193.6	1.43	0.22	-5.33
1,830.0	15.50	131.00	1,809.8	-141.8	148.8	205.6	1.03	0.22	-3.78
1,876.0	15.30	127.40	1,854.2	-149.5	158.3	217.7	2.12	-0.43	-7.83
1,921.0	14.80	128.20	1,897.6	-156.7	167.5	229.4	1.20	-1.11	1.78
1,966.0	14.60	127.60	1,941.2	-163.7	176.5	240.7	0.56	-0.44	-1.33
2,011.0	13.90	126.30	1,984.8	-170.4	185.4	251.7	1.71	-1.56	-2.89
2,057.0	13.50	128.60	2,029.5	-177.0	194.0	262.6	1.47	-0.87	5.00
2,102.0	13.40	130.00	2,073.2	-183.6	202.1	273.0	0.76	-0.22	3.11
2,148.0	13.10	129.30	2,118.0	-190.3	210.2	283.5	0.74	-0.65	-1.52
2,193.0	13.00	131.80	2,161.9	-196.9	218.0	293.7	1.27	-0.22	5.56
2,238.0	13.50	134.60	2,205.7	-204.0	225.5	304.0	1.81	1.11	6.22
2,283.0	13.70	136.90	2,249.4	-211.6	232.9	314.6	1.28	0.44	5.11
2,329.0	13.90	136.30	2,294.1	-219.6	240.4	325.5	0.53	0.43	-1.30
2,374.0	14.30	135.50	2,337.7	-227.4	248.0	336.5	0.99	0.89	-1.78
2,419.0	14.50	135.00	2,381.3	-235.4	255.9	347.7	0.52	0.44	-1.11
2,465.0	14.90	133.50	2,425.8	-243.5	264.3	359.3	1.20	0.87	-3.26
2,510.0	14.60	132.70	2,469.3	-251.3	272.6	370.8	0.81	-0.67	-1.78
2,555.0	15.00	131.00	2,512.8	-259.0	281.2	382.3	1.31	0.89	-3.78
2,600.0	15.00	132.50	2,556.3	-266.8	289.9	393.9	0.86	0.00	3.33
2,646.0	14.80	136.10	2,600.7	-275.0	298.3	405.7	2.06	-0.43	7.83
2,691.0	14.60	133.90	2,644.3	-283.1	306.4	417.1	1.32	-0.44	-4.89
2,736.0	13.90	132.50	2,687.9	-290.7	314.5	428.2	1.73	-1.56	-3.11
2,781.0	13.90	134.50	2,731.6	-298.1	322.3	439.0	1.07	0.00	4.44
2,826.0	13.70	132.10	2,775.3	-305.5	330.1	449.8	1.35	-0.44	-5.33
2,871.0	13.80	132.10	2,819.0	-312.7	338.1	460.5	0.22	0.22	0.00
2,917.0	13.10	133.34	2,863.7	-319.9	345.9	471.1	1.65	-1.52	2.70
2,962.0	12.52	136.90	2,907.6	-327.0	353.0	481.1	2.18	-1.29	7.91
3,007.0	12.50	135.40	2,951.5	-334.0	359.7	490.9	0.72	-0.04	-3.33

Company: NEWFIELD EXPLORATION
 Project: USGS Myton SW (UT)
 Site: SECTION 30 T8S, R17E
 Well: S-30-8-17
 Wellbore: Wellbore #1
 Design: Actual

Local Co-ordinate Reference: Well S-30-8-17
 TVD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
 MD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
 North Reference: True
 Survey Calculation Method: Minimum Curvature
 Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,053.0	13.10	135.80	2,996.4	-341.3	366.9	501.0	1.32	1.30	0.87
3,098.0	13.54	138.00	3,040.2	-348.9	373.9	511.4	1.49	0.98	4.89
3,143.0	14.60	139.50	3,083.8	-357.1	381.1	522.3	2.49	2.36	3.33
3,189.0	15.10	137.10	3,128.3	-365.9	389.0	534.0	1.72	1.09	-5.22
3,234.0	14.20	135.30	3,171.8	-374.1	396.9	545.4	2.24	-2.00	-4.00
3,279.0	14.90	135.90	3,215.4	-382.2	404.8	556.7	1.59	1.56	1.33
3,324.0	15.80	138.70	3,258.8	-390.9	412.8	568.6	2.59	2.00	6.22
3,369.0	15.30	135.30	3,302.1	-399.8	421.1	580.6	2.31	-1.11	-7.56
3,415.0	14.10	132.10	3,346.6	-407.8	429.5	592.3	3.15	-2.61	-6.96
3,460.0	14.20	131.30	3,390.3	-415.1	437.7	603.3	0.49	0.22	-1.78
3,506.0	15.30	132.30	3,434.7	-423.0	446.4	615.0	2.45	2.39	2.17
3,551.0	15.20	135.30	3,478.2	-431.1	455.0	626.8	1.77	-0.22	6.67
3,596.0	15.30	137.20	3,521.6	-439.7	463.2	638.6	1.13	0.22	4.22
3,641.0	15.70	135.90	3,564.9	-448.4	471.4	650.6	1.18	0.89	-2.89
3,687.0	14.90	135.90	3,609.3	-457.1	479.9	662.8	1.74	-1.74	0.00
3,732.0	15.50	133.90	3,652.7	-465.5	488.2	674.6	1.77	1.33	-4.44
3,777.0	15.90	131.40	3,696.0	-473.7	497.2	686.7	1.75	0.89	-5.56
3,823.0	15.50	131.30	3,740.3	-481.9	506.5	699.2	0.87	-0.87	-0.22
3,868.0	15.80	130.10	3,783.7	-489.8	515.7	711.3	0.98	0.67	-2.67
3,913.0	15.30	128.90	3,827.0	-497.5	525.0	723.3	1.32	-1.11	-2.67
3,958.0	14.30	127.60	3,870.5	-504.6	534.1	734.8	2.34	-2.22	-2.89
4,004.0	14.20	127.80	3,915.1	-511.6	543.0	746.0	0.24	-0.22	0.43
4,049.0	14.80	131.70	3,958.7	-518.8	551.7	757.3	2.55	1.33	8.67
4,094.0	14.40	132.60	4,002.2	-526.4	560.1	768.6	1.02	-0.89	2.00
4,140.0	13.50	129.70	4,046.9	-533.7	568.4	779.7	2.48	-1.96	-6.30
4,185.0	13.50	132.30	4,090.6	-540.6	576.4	790.2	1.35	0.00	5.78
4,230.0	13.10	135.30	4,134.4	-547.7	583.8	800.5	1.77	-0.89	6.67
4,275.0	13.30	136.30	4,178.2	-555.1	591.0	810.8	0.67	0.44	2.22
4,321.0	13.50	134.90	4,223.0	-562.7	598.4	821.5	0.83	0.43	-3.04
4,366.0	13.50	136.60	4,266.7	-570.2	605.8	831.9	0.88	0.00	3.78
4,411.0	13.40	136.70	4,310.5	-577.9	613.0	842.4	0.23	-0.22	0.22
4,457.0	13.20	135.70	4,355.3	-585.5	620.3	853.0	0.66	-0.43	-2.17
4,502.0	13.40	133.50	4,399.1	-592.8	627.7	863.3	1.21	0.44	-4.89
4,547.0	13.10	133.90	4,442.9	-599.9	635.1	873.6	0.70	-0.67	0.89
4,592.0	13.00	133.80	4,486.7	-606.9	642.4	883.8	0.23	-0.22	-0.22
4,638.0	13.20	132.50	4,531.5	-614.0	650.0	894.2	0.77	0.43	-2.83
4,683.0	13.60	129.60	4,575.3	-620.9	657.9	904.6	1.74	0.89	-6.44
4,728.0	13.30	128.60	4,619.0	-627.5	666.0	915.1	0.84	-0.67	-2.22
4,774.0	13.10	129.90	4,663.8	-634.1	674.2	925.5	0.78	-0.43	2.83
4,819.0	13.40	132.60	4,707.6	-640.9	681.9	935.8	1.53	0.67	6.00
4,864.0	13.20	135.80	4,751.4	-648.2	689.3	946.2	1.69	-0.44	7.11
4,910.0	13.50	133.40	4,796.2	-655.6	696.9	956.8	1.37	0.65	-5.22
4,955.0	13.70	134.30	4,839.9	-662.9	704.5	967.4	0.65	0.44	2.00
5,000.0	14.20	132.60	4,883.6	-670.4	712.4	978.2	1.44	1.11	-3.78
5,045.0	14.00	133.60	4,927.2	-677.9	720.4	989.2	0.70	-0.44	2.22
5,091.0	13.80	134.60	4,971.9	-685.6	728.4	1,000.3	0.68	-0.43	2.17
5,136.0	13.90	134.20	5,015.6	-693.1	736.0	1,011.0	0.31	0.22	-0.89
5,181.0	13.30	136.10	5,059.3	-700.6	743.5	1,021.6	1.66	-1.33	4.22
5,226.0	13.10	134.00	5,103.1	-707.9	750.8	1,031.9	1.15	-0.44	-4.67
5,272.0	13.60	135.60	5,147.9	-715.4	758.3	1,042.5	1.35	1.09	3.48
5,317.0	13.20	137.40	5,191.7	-722.9	765.5	1,052.9	1.28	-0.89	4.00
5,322.8	13.18	136.86	5,197.3	-723.9	766.4	1,054.2	2.13	-0.29	-9.27
S-30-8-17									
5,362.0	13.10	133.20	5,235.5	-730.2	772.7	1,063.1	2.13	-0.21	-9.34



Payzone Directional

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 30 T8S, R17E
Well: S-30-8-17
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well S-30-8-17
TVD Reference: S-30-8-17 @ 5295.0ft (Capstar 328)
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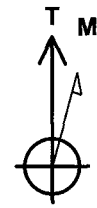
Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,408.0	12.90	135.80	5,280.3	-737.5	780.1	1,073.5	1.34	-0.43	5.65
5,453.0	13.20	136.50	5,324.1	-744.8	787.1	1,083.6	0.75	0.67	1.56
5,498.0	13.20	136.80	5,368.0	-752.3	794.2	1,093.9	0.15	0.00	0.67
5,544.0	13.60	137.00	5,412.7	-760.0	801.4	1,104.5	0.88	0.87	0.43
5,589.0	13.60	136.00	5,456.4	-767.7	808.7	1,115.1	0.52	0.00	-2.22
5,634.0	13.90	134.50	5,500.1	-775.3	816.2	1,125.8	1.04	0.67	-3.33
5,679.0	14.80	133.20	5,543.7	-783.0	824.3	1,136.9	2.12	2.00	-2.89
5,725.0	15.70	134.40	5,588.1	-791.4	833.0	1,149.0	2.07	1.96	2.61
5,770.0	15.80	135.30	5,631.4	-800.0	841.7	1,161.2	0.59	0.22	2.00
5,815.0	15.60	134.50	5,674.8	-808.6	850.3	1,173.4	0.65	-0.44	-1.78
5,861.0	14.40	133.20	5,719.2	-816.9	858.9	1,185.3	2.71	-2.61	-2.83
5,906.0	13.13	134.70	5,762.9	-824.3	866.6	1,196.0	2.93	-2.82	3.33
5,952.0	11.70	133.64	5,807.8	-831.2	873.7	1,205.9	3.15	-3.11	-2.30
5,996.0	11.90	134.70	5,850.9	-837.5	880.1	1,214.9	0.67	0.45	2.41
6,041.0	12.40	133.00	5,894.9	-844.0	887.0	1,224.4	1.37	1.11	-3.78
6,086.0	12.80	134.70	5,938.8	-850.8	894.1	1,234.2	1.21	0.89	3.78
6,132.0	13.50	135.50	5,983.6	-858.2	901.4	1,244.6	1.57	1.52	1.74
6,177.0	13.70	136.50	6,027.3	-865.8	908.8	1,255.2	0.69	0.44	2.22
6,222.0	13.40	138.30	6,071.1	-873.6	915.9	1,265.7	1.15	-0.67	4.00
6,268.0	13.30	138.20	6,115.8	-881.5	923.0	1,276.3	0.22	-0.22	-0.22
6,313.0	13.30	138.00	6,159.6	-889.2	929.9	1,286.6	0.10	0.00	-0.44
6,358.0	13.60	135.30	6,203.4	-896.8	937.1	1,297.1	1.55	0.67	-6.00
6,404.0	12.30	135.80	6,248.2	-904.2	944.3	1,307.4	2.84	-2.83	1.09
6,449.0	11.40	134.90	6,292.3	-910.8	950.8	1,316.6	2.04	-2.00	-2.00
6,494.0	10.80	136.60	6,336.4	-917.0	956.9	1,325.3	1.52	-1.33	3.78
6,539.0	10.10	136.00	6,380.7	-922.9	962.5	1,333.4	1.57	-1.56	-1.33
6,585.0	10.10	136.00	6,426.0	-928.7	968.1	1,341.5	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

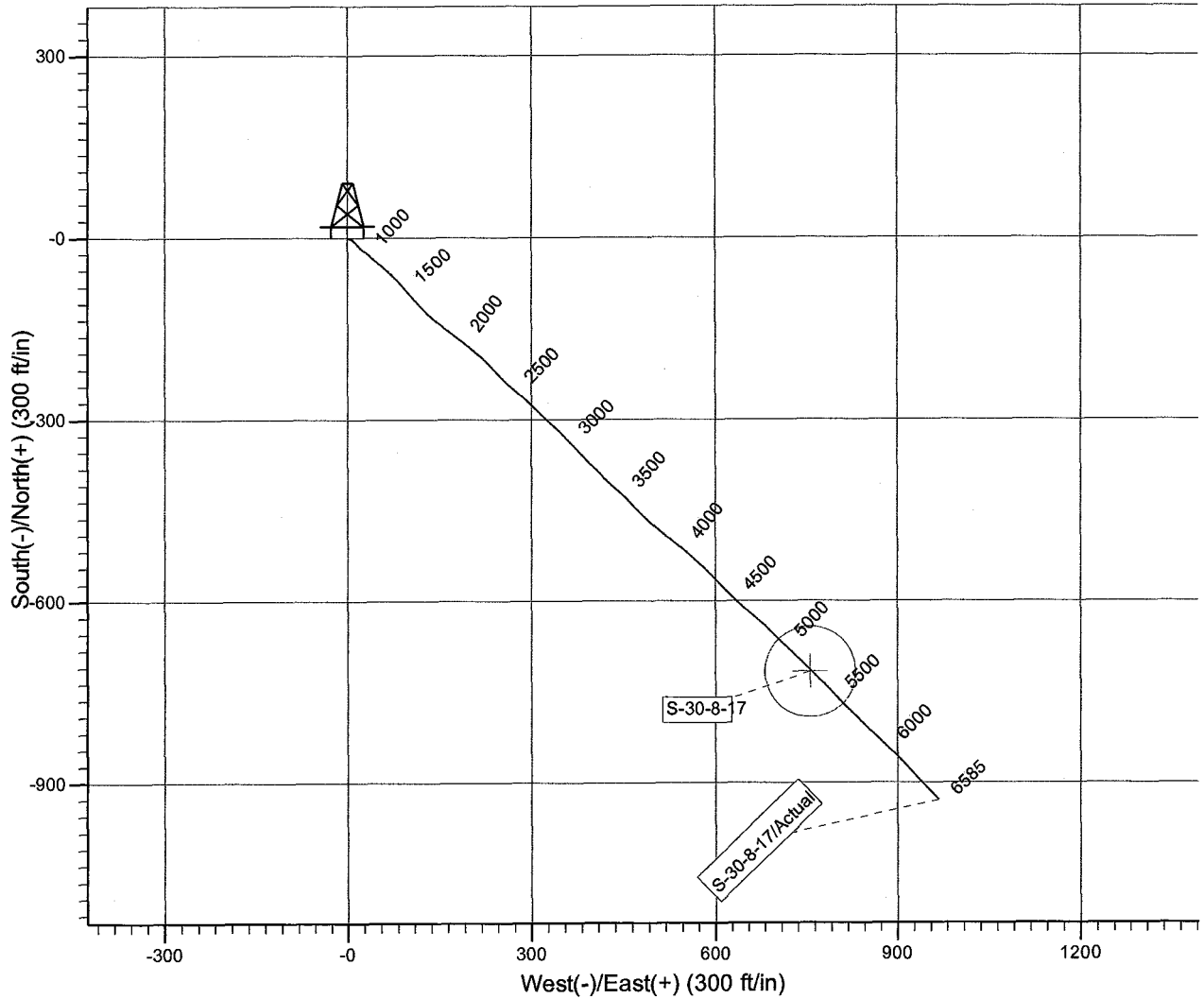
D

Project: USGS Myton SW (UT)
Site: SECTION 30 T8S, R17E
Well: S-30-8-17
Wellbore: Wellbore #1
Design: Actual



Azimuths to True Nor
Magnetic North: 11.3°

Magnetic Fie
Strength: 52348.2sr
Dip Angle: 65.8°
Date: 12/9/201
Model: IGRF201

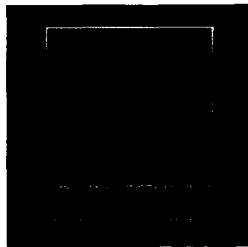


S-30-8-17

S-30-8-17/Actual

S-30-8-17

S-30-8-17/Actual



2000 4000
(2000 ft/in)

Design: Actual (S-30-8-17/Wellbore #1)

Created By: Sarah Webb

Date: 18:08, April 09 201

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA